

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

ASH GROVE AGGREGATES, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements
in the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the
proposed mining operation(s) will be on 543 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Amendment, Revision

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set
forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations
as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 12th day of November 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0002-A2
Effective Date 11/12/2004
Expiration Date 01/31/2005

Company Name Ash Grove Aggregates, Inc.

Permit Number 0002

Expiration Date – 01/31/2005

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Bates	19, 20, 30	40N	31W		.2	53	Butler #71	0012
Bates	05	39N	29W		3.4	47	Appleton City #72	0015
Bates	28	39N	32W			37	Rich Hill #74, Craigmile;	1896
Cedar	06	34N	26W			22	Stockton	0004
Vernon	05, 06	34N	29W		2.6	42	Montevallo	0008
St. Clair	36	38N	25W		1.7	28	Osceola #79	0002
Vernon	25	36N	29W		5	16	El Dorado Springs #487	1816
Vernon	26	36N	29W			33	El Dorado Springs #88	0010
Polk	05, 08	34N	23W			14	Cliquot #91	0011
Hickory	19, 20, 29	37N	22W		2.2	35	Wheatland #92	0003
Dallas	29	34N	19W		6	35	Buffalo #93	0013
Hickory	36	36N	22W			13	Pittsburg #94	0007
Polk	28, 29	34N	23W		23.3	105	Bolivar #95	0014
Webster	34	32N	18W		15.4	42	Marshfield #96	0009
Dallas	08	31N	20W		4	9	Fairgrove Quarry #497	1891
St. Clair	07, 08	36N	R28W			12	#486 El Dorado-Dever	2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

RECEIVED

JUL 23 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MISSOURI LAND RECLAMATION COMMISSION

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Ash Grove Aggregates, Inc.		DATE 7-15-04	
ADDRESS P. O. Box 70	CITY Butler	STATE MO	ZIP CODE 64730
CONTACT PERSON Ryan Sutharland, General Manager		TELEPHONE NUMBER 660/679-4128	

Check any that apply:

☐ New Permit ☒ Permit Amendment ☐ Permit Revision ☒ Permit Expansion

SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)
1. Bolivar Quarry #95	23.3	Polk, Section 28, 29, T34N, R23W
2. Buffalo Quarry #93	6.0 ✓	Dallas, Section 29, T34N, R19W
3. El Dorado Springs Quarry #487	5.0	Vernon, Section 25, T36N, R29W
4. Fair Grove Quarry #497	4.0	Dallas, Section 8, T31N, P20W
5. Marshfield Quarry #96	15.4	Webster, Section 34, T32N, R18W
6. Osceola Quarry #79	2.7 *	St. Clair, Section 36, T38N, R25W
7. Wheatland #92	2.2	Hickory, Section 19, 20, 29, T37N, R22W
8. Montevallo #78	2.6	Vernon, Section 5, 6, T34N, R29W
9. Appleton City #72	3.4	Bates, Section 5, T39N, R29W
10. Butler, #71	0.2	Bates, Section 30, T40N, R31W
11. Osceola #79	2.7 ✓	St. Clair, Section 36, T38N, R25W
12.		
13.		
14.		
15. * Permit Expansion - all others are permit amendments		
16.		
17.		
18.		
19.		
20.		

ATTACH ADDITIONAL SHEETS IF NECESSARY

SIGNATURE OF APPLICANT 	TITLE General Manager	DATE 7/19/04
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Appeared before me this 19 day of July, 2004, Ryand Sutherland to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS	
	19th DAY OF July 2004	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06
NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 2006

FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED 9/21/04	PERMIT NUMBER 0002	EXPIRATION DATE 1-31-05
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ATTACH FEES AND BONDING WORKSHEET.

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

FEES AND BONDING WORKSHEET

RECEIVED

JUL 23 2004

MISSOURI LAND RECLAMATION COMMISSION P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

P.O. BOX 176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

DATE _____

Ash Grove Aggregates, Inc.

7-15-04

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

[illegible]

2. Acreage fee: \$5 X 67 number of acres bonded -----\$ 335.00

3. Annual permit fee: ----- \$ 500.00

4. Total Fee: Add Totals from 1, 2, and 3 ----- \$

NOTE: If Total Fee exceeds \$2,500.00 then pay only-----\$2,500.00

SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:

1. Annual permit fee: ----- \$ 300.00

III. BONDING – for all EXCEPT In-Stream mine sites:

A. For sand and gravel operators mining less than five thousand (5,000) tons/year:

Number of new acres _____ X \$500/acre ----- \$

B. For ALL other open pit operations:

Minimum per permit -----\$8,000.00

Acres over 8 acres 538 **X \$500/acre-----** **\$ 269,000.00**

TOTAL BONDING REQUIRED-----\$ 277,000.00

☐ Check here if adequate bonding is already posted.

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO


ASH GROVE AGGREGATES, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the proposed mining operation(s) will be on 479.4 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Expansion

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 20th day of April 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0002-A1
Effective Date 04/20/2004
Expiration Date 01/31/2005

Expiration Date – 01/31/2005

[illegible]



PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Ash Grove Aggregates, Inc.		DATE 5-19-03	
ADDRESS P.O. Box 70	CITY Butler	STATE MO	ZIP CODE 64730
CONTACT PERSON Ryan Sutherland, General Manager		TELEPHONE NUMBER 660-679-4128	

Check any that apply:

☐ New Permit ☐ Permit Amendment ☐ Permit Revision ☒ Permit Expansion

SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)
1. #486 El Dorado - Dever Quarry,	12.0	St. Clair, Sec 7&8, T36N, R28W
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20.		

RECEIVED

MAY 27 2003

MISSOURI LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS IF NECESSARY

SIGNATURE OF APPLICANT 	TITLE General Manager	DATE 5-20-03
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Appeared before me this 23 day of May, 2003, Ryan J. Sutherland to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS 23 DAY OF May 20 03	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser	

USE RUBBER STAMP IN CLEAR AREA BELOW

DEBBIE A KEISER
NOTARY PUBLIC STATE OF MISSOURI
BATES COUNTY
MY COMMISSION EXP. JAN. 20, 2006

FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED 12/1/03	PERMIT NUMBER 002-A1	EXPIRATION DATE 1-31-05
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ATTACH FEES AND BONDING WORKSHEET.

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

FEES AND BONDING WORKSHEET

RECEIVED

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Ash Grove Aggregates, Inc.						MAY 27 2003		DATE 5-19-03	
FEEES: COMPLETE SECTION I OR SECTION II								MISSOURI LAND RECLAMATION COMMISSION	
SECTION I. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:									
1. To compute the site fee complete the columns and lines below:									
List SITE NAME OR NUMBER (Add a separate sheet for additional sites.)		Mark each month that the site will be operated during the Permit Year						For sites operated less than six (6) months per permit year pay \$150.00 For sites operated six (6) months or more per permit year pay \$300.00	
#486 El Dorado - Dever Quarry		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$ 300.00	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
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		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
		Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec						\$	
TOTAL SITE FEE						→ \$300.00			
2. Acreage fee: \$5 X <u>12</u> number of acres bonded ----- \$ <u>60.00</u>									
3. Annual permit fee: ----- \$ <u>500.00</u>									
4. Total Fee: Add Totals from 1, 2, and 3 ----- \$ <u>360.00</u>									
NOTE: If Total Fee exceeds \$2,500.00 then pay only----- \$2,500.00									
SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:									
1. Annual permit fee: ----- \$ <u>300.00</u>									
III. BONDING – for all EXCEPT In-Stream mine sites:									
A. For sand and gravel operators mining less than five thousand (5,000) tons/year: Number of new acres _____ X \$500/acre ----- \$ _____									
B. For ALL other open pit operations: Minimum per permit ----- \$8,000.00									
Acreage over 8 acres <u>487</u> X \$500/acre----- \$ <u>243,500.00</u>									
TOTAL BONDING REQUIRED----- \$ 251,500.00									
<input type="checkbox"/> Check here if adequate bonding is already posted.									

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

ASH GROVE AGGREGATES, INC.

Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the proposed mining operation(s) will be on 467.4 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Renewal

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 1st day of March 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0002
Effective Date 03/01/2004
Expiration Date 01/31/2005
MO 780-1122 (6-95)

Company Name Ash Grove Aggregates, Inc.

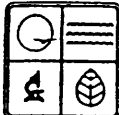
Permit Number 0002

Expiration Date – 01/31/2005

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Bates	19, 20, 30	40N	31W	52.8		52.8	Butler #71	0012
Bates	05	39N	29W	43.6		43.6	Appleton City #72	0015
Bates	28	39N	32W	37.2		37.2	Rich Hill #74, Craigmiles	1896
Cedar	06	34N	26W	22		22	Stockton	0004
Vernon	05, 06	34N	29W	39.4		39.4	Montevallo	0008
St. Clair	36	38N	25W	26.3		26.3	Osceola #79	0002
Vernon	25	36N	29W	11		11	El Dorado Springs #487	1816
Vernon	26	36N	29W	33		33	El Dorado Springs #88	0010
Polk	05, 08	34N	23W	14		14	Cliquot #91	0011
Hickory	19, 20, 29	37N	22W	32.8		32.8	Wheatland #92	0003
Dallas	29	34N	19W	29		29	Buffalo #93	0013
Hickory	36	36N	22W	13		13	Pittsburg #94	0007
Polk	28, 29	34N	23W	81.7		81.7	Bolivar #95	0014
Webster	34	32N	18W	26.6		26.6	Marshfield #96	0009
Dallas	08	31N	20W	5		5	Fairgrove Quarry #497	1891

RECEIVED

JAN 2 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Ash Grove Aggregates, Inc.		DATE 12/29/03	
ADDRESS P.O. Box 70	CITY Butler	STATE MO	ZIP CODE 64730
CONTACT PERSON Ryan Sutherland, General Manager		TELEPHONE NUMBER 660-679-4128	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. #471 Butler Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX	\$ 150.00
2. #472 Appleton City Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX	\$ 150.00
3. #474 Rich Hill Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX	\$ 150.00
4. #477 Stockton Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX XX	\$ 150.00
5. #478 Montevallo Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$ 150.00
6. #479 Osceola Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$ 150.00
7. #487 El Dorado Springs Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX	\$ 150.00
8. #488 Old El Dorado Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$ 150.00
9. #491 Cliquot Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$ 150.00
10. #492 Wheatland Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$ 150.00

TOTAL SITE FEE \longrightarrow \$ see page two

2. Acreage Fee \$5 X _____ number of acres bonded\$ see page two

3. Annual Permit Fee.....\$ 500

4. Total Fee (Add totals from 1, 2 and 3).....\$

NOTE: If Total Fee exceeds \$2,500.00 then pay only\$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

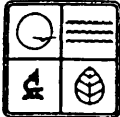
1. Annual Permit Fee.....\$ 300

SIGNATURE OF APPLICANT		TITLE	DATE
<p>Appeared before me this _____ day of _____, 20____,</p> <p>to me personally known, who executed the above as their free acts and deeds.</p>			
NOTARY PUBLIC EMBOSSER SEAL	STATE OF		COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, THIS		USE RUBBER STAMP IN CLEAR AREA BELOW.
	DAY OF	YEAR	
	NOTARY PUBLIC SIGNATURE	MY COMMISSION EXPIRES	
NOTARY PUBLIC NAME (TYPED OR PRINTED)			

FOR DEPARTMENT USE ONLY: APPROVED BY <i>Michael J. M...</i>	DATE APPROVED 2-6-04	PERMIT NUMBER 0002	EXPIRATION DATE 1-31-05
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RECEIVED

JAN 2 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Ash Grove Aggregates, Inc. (page 2)		DATE	
ADDRESS	CITY	STATE	ZIP CODE
CONTACT PERSON		TELEPHONE NUMBER	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. #493 Buffalo Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX	\$ 300.00
2. #494 Pittsburg Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX	\$ 150.00
3. #495 Bolivar Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX XX XX XX XX XX XX XX XX	\$ 300.00
4. #496 Marshfield Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX XX XX XX XX XX	\$ 300.00
5. #497 Fair Grove Quarry	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec XX	\$ 150.00
6.	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$
7.	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$
8.	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$
9.	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$
10.	Jan. Feb. Mar. Apr. May. Jun. Jul. Aug. Sep. Oct. Nov. Dec	\$
TOTAL SITE FEE		\$ 2,700.00

2. Acreage Fee \$5 X 467.4 number of acres bonded \$2,610.00
522

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$5,810.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>John M. Lutz</i>	TITLE President	DATE 12/29/03
Appeared before me this <u>29th</u> day of <u>December</u> , 2003, <u>John M. Lutz</u> to me personally known, who executed the above as their free acts and deeds.		
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS 29th DAY OF Dec. YEAR 2003	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <i>Debbie A. Keiser</i>	MY COMMISSION EXPIRES 1-20-06
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser	
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	PERMIT NUMBER
EXPIRATION DATE		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
MAR 30 2000

To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER #72 - Appleton City Quarry		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates, Inc.			
COUNTY Bates	1/4 SECTION NW	SECTION 5	
TOWNSHIP 39N	RANGE 29W	ACRES 185	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Harley W. Harvey & Harvey Brothers Trucking & Wrecking Company, Inc.		
ADDRESS Route 3 Box 42		
CITY Appleton City	STATE MO	ZIP CODE 64724
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 2/21/00
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
MAR 30 2000

P.O. BOX 116
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 2000-2050

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Steep hills/valleys on west side of lease area. Flat, pasture land on east and north areas.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozer to strip and store topsoil in areas where soil exists. Approximately 1/3 of original 60 acres has no topsoil. New area has 0-12 inches of topsoil, depending upon location

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil piles will be rounded off and graded for minimal wash loss. Some seeding of fescue and wheat may be done to stabilize. Straw bale dams in areas of possible siltation or erosion of topsoil.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Spoil will be dozed into the previous box cut, so as to reclaim previous pit with spoil from new cut. Along outside cuts, spoil will be dozed onto previous spoil, then dozed back into place after limestone is removed. Spoil will also be used for safety berms along outside cuts.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Pits in various locations -- see map.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN-- 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE Pasture	B. SEEDING OR PLANTING TIME Spring 3/15-4/15 Fall 9/10-10/10
---------------------	--------------------------------	---

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Hired seeder/spreaders with seed and fertilizer blend made at time of delivery.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	15		
Clover	5		
Oats or wheat	30		
Fertilizer	30/30/30		

VEGETATION MIX #2	PURPOSE OR LAND USE Wildlife	B. SEEDING OR PLANTING TIME Spring 3/15-4/15 Fall 9/10-10/10
-------------------	---------------------------------	---

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Hired seeder/spreaders with seed and fertilizer blend made at time of delivery.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		
Red Top	3		
Red Clover	3		
Oats or wheat	30		
Fertilizer	30/30/30		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Soil will be graded to approximately match original contours of ground. Topsoil will be replaced, disked and seeded. Water areas will be dammed off.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed within 12 months after the expiration or renewal of the permit under which the surface disturbance took place.

REVEGETATION

Revegetation will occur at first planting season after replacement of topsoil.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

(revised 6/30/04)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

30

Agriculture (pasture, cropland, and horticultural)

117

Development (residential, industrial and recreational)

18

Water impoundments (for wildlife, agriculture, or development)

20

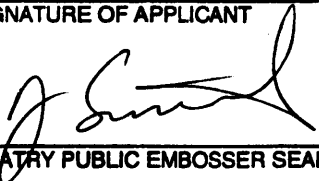
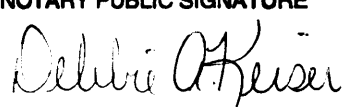
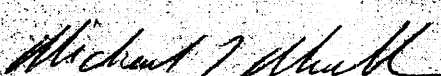
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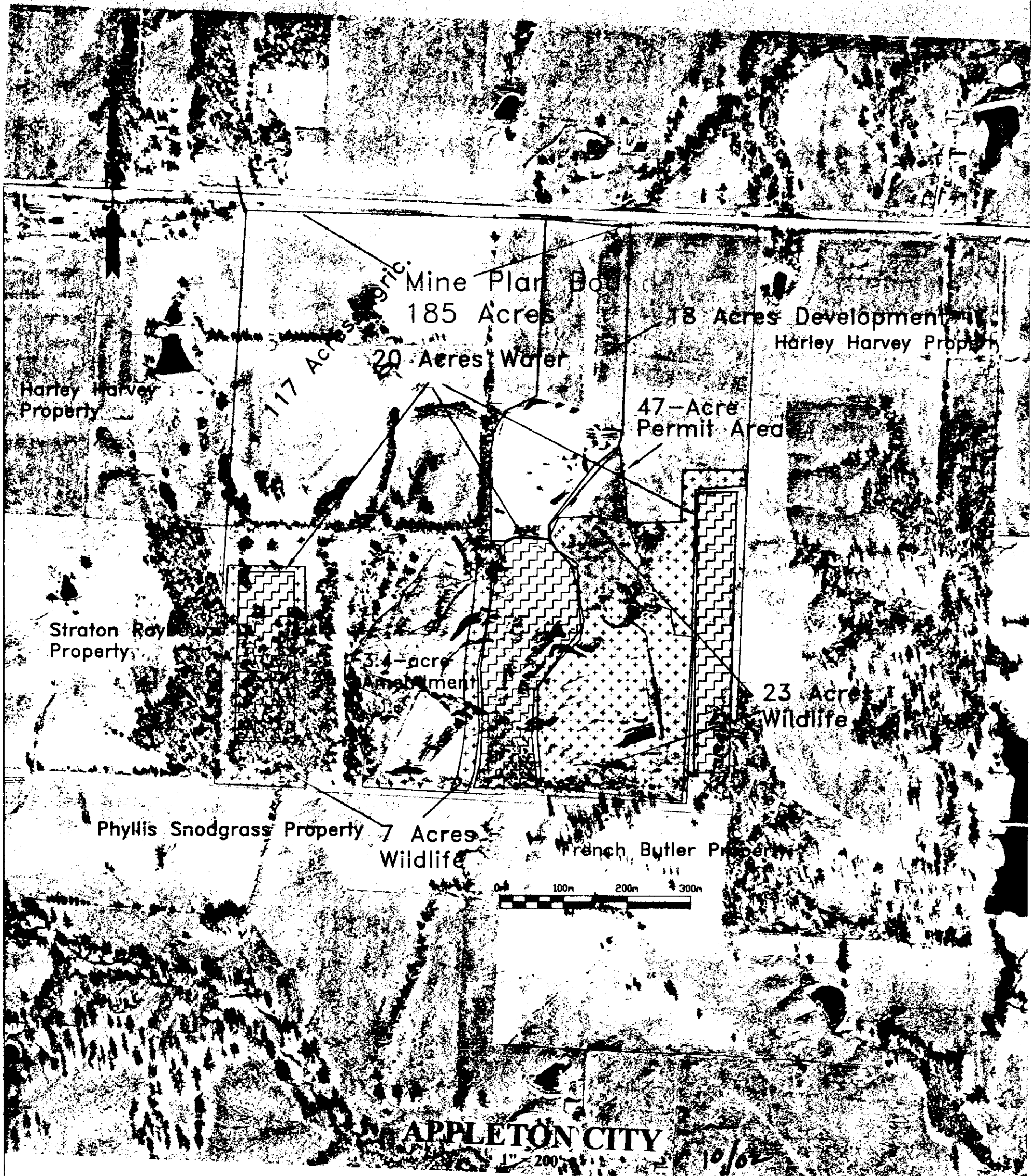
MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE General Manager		7/19/04
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 2006	
	19 DAY OF July 20 04			
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06		
NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser				
FOR DEPARTMENT USE ONLY: APPROVED BY 			DATE APPROVED 7/28/04	PERMIT NUMBER 0002





Ashgrove Aggregates, Inc.

Permit #0002

Appleton City Quarry

Prepared by:

Prepared 5-25-04

J. Smith 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MAR 07 1996

GENERAL PROPERTY

MISSOURI LAND

To be completed for each separate area of disturbance associated with mining operations. RECLAMATION COMMISSION

SITE NAME OR NUMBER Ash Grove Aggregates, Inc. Bolivar Quarry - #95		PERMIT NUMBER 0002
COMPANY NAME Ash Grove Aggregates, Inc.		
COUNTY Polk	1/4 SECTION NE 1/4 (Sec 29), SW 1/4 (Sec 28)	SECTION 28 and 29
TOWNSHIP 34N	RANGE 23W	ACRES 80
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Ash Grove Aggregates, Inc.		
ADDRESS P.O. Box 70		
CITY Butler	STATE MO	ZIP CODE 64730
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Ash Grove Aggregates, Inc.		
ADDRESS P.O. Box 70		
CITY Butler	STATE MO	ZIP 64730
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: June 1, 2136

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Rolling topography with zero to two inches of topsoil supporting a stand of second growth hardwoods and brush. The species of trees on the site are mostly oaks of various types mixed with a few cedars and sassafras sprouts.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

1

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Some topsoil will be stockpiled with dozers or scrapers. The remainder will be removed and spread simultaneously by a scraper.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil stockpiles will be seeded to prevent their erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Spoil from the initial cut will be stockpiled temporarily on the original ground, only to be pushed back into the pit and topsoiled at a later date. Once the initial cut has been established, spoil will be pushed off of the rock directly into the previous pit.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See enclosed map.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒ ☐ Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

MISCELLANEOUS

MDOC Grass - Legume #1

PURPOSE OR LAND USE

Wildlife Habitat

B. SEEDING OR PLANTING TIME

Early spring or late fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

After soil amendmets of lime and fertilizer are made, a hired spreader truck will be used to broadcast the seed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Wheat	60		
Orchard grass	10		
Ladino Clover	2		
Red Clover	6		
Korean Lespedeza	10		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

The topography will be slightly rolling with not more than 25% of any sloped areas exceeding a grade of 3:1.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

The spoil will be graded after mining the rock.

Within 12 months of expiration of the permit. *m.f.f.*

REPLACEMENT OF TOPSOIL

After the newly replaced spoil is graded, topsoil will be spread out and prepared to be seeded.

Within 12 months of expiration of the permit. *m.f.f.*

REVEGETATION

Seeding of the topsoil will take place in the periods given in part A of the reclamation plan.

Within 24 months of expiration of the permit. *m.f.f.*

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

Six inches of a mixture of "A" and "B" horizon soils

Combined will be 12 inches. *m.f.f.*

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

80

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

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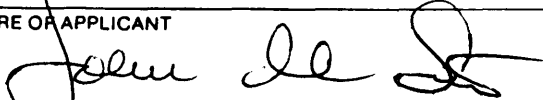

MAR 17 1996

#95

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE President	DATE
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 23rd DAY OF February 19 96		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 1998
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) MEC, P.C.		DATE APPROVED 3/22/96	PERMIT NUMBER 2



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

MASSEY PROPERTY

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To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER Ash Grove Aggregates, Inc. Bolivar Quarry - #95		PERMIT NUMBER 0002
COMPANY NAME Ash Grove Aggregates, Inc.		
COUNTY Polk	1/4 SECTION NE $\frac{1}{4}$ (Sec 29), SW $\frac{1}{4}$ (Sec 28)	SECTION 28 and 29
TOWNSHIP 34N	RANGE 23	ACRES 117
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) See Attachment "A"		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 7-1-98
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same as landowner		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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JAN 22 2003

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: June 1, 2040

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Slightly rolling hillside with native grasses, fescue and some timber scattered and intermingled. Very little soil in most places. Overburden is typically a clay with a large percentage of cherty rock intermixed. Lower areas have limestone ledges exposed as outcrops in large flat areas of the reserve contingent.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2 to 4 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers scrape off any possible topsoil type material, usually going south and constructing a berm type structure.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The berm is peaked with minimum exposure to water runoff and erosion as possible.

B. SPOIL**DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL**

Spoil is usually drilled and shot to help loosen the massive structure it is found in, and dozers then push it directly into the adjacent limestone pit. The depth of overburden approximates the depth of limestone removed from the reserves.

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MISSOURI LAND
RECLAMATION COMMISSION**C. ACID MATERIALS****DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)**

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS**

Pits run directly north and south from an east/west centerline or main haul road. Reserves on the east half of the property will not be removed as long pits, but rather as a more massive block of rock.

YES NO☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Industrial

B. SEEDING OR PLANTING TIME

as soon as grading complete

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seed spread only if needed by hired broadcast spreader.

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue Wheat Fertilizer	15 30 17/17/17		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Spoil will be graded to drain either to the northwest or the southeast. Topography will be relatively flat. Much of the spoil is rock. There is very little topsoil. What topsoil is left will be spread out and seeded. There will be one water impoundment of approximately one (1) acre on western side of property.

Side slopes requiring erosion control where topsoil and vegetation would not be effective will be graded and aggregate such as Type 1 Broken Rip Rap (12-24") will be placed so the jagged nature of the rip rap will interlock as a grid to protect the slope from erosion.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading has taken place as overburden was removed. Final grading will be completed shortly.

REPLACEMENT OF TOPSOIL

Very little topsoil is present. Will be distributed after final grading.

REVEGETATION

Most of area will not require revegetation. What does, will be seeded as soon as final grading is completed.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

N/A

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	116
Water impoundments (for wildlife, agricultural, or development)	1

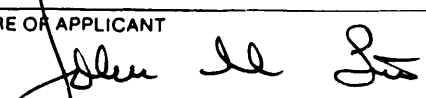
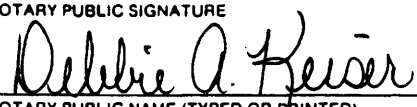

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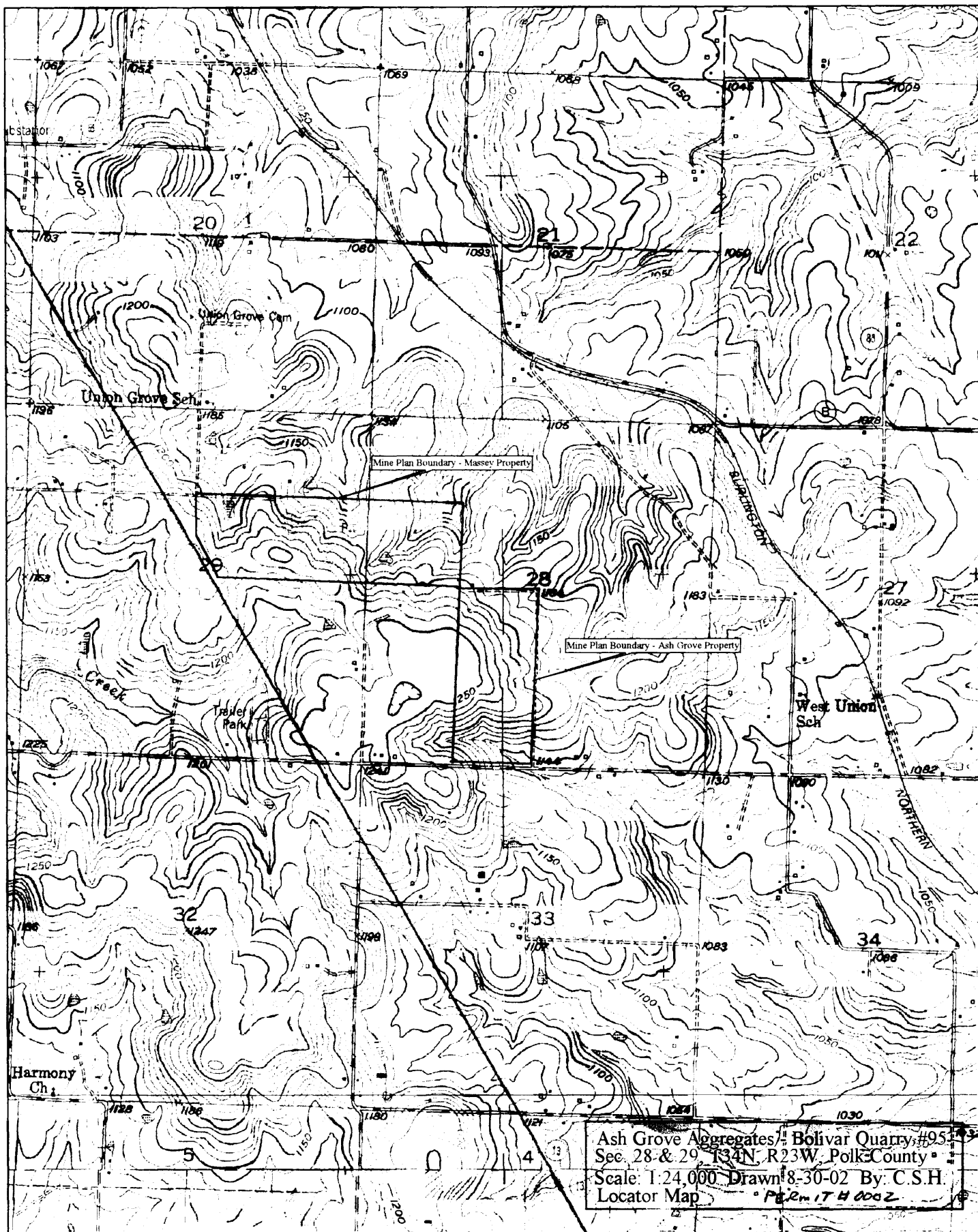
JAN 22 2003

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE President	DATE 1-17-03
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS 20 DAY OF January XX2003		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 01/27/03	PERMIT NUMBER 0002



JUL 23 2004

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Ashgrove Aggregates, Inc.

Permit #0002

Bolivar Quarry

Prepared by:

Prepared 5-25-04

[Signature] 7/15/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Buffalo - 93		91-002		Batesco Quarries-Div. Union Quarries Inc.	
County	1/4 section	Section	Township	Range	Acres
Dallas	SE 1/4	29	34N	19W	65
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)	Address	City	
		Elkland	
		State	Zip
Lanny P. Doty	Route 2 Box 74	MO	65644
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			9/20/88

Mineral rights owner (attach list if more than one)	Address	City	
		Elkland	
		State	Zip
Lanny P. Doty	Route 2 Box 74	MO	65644
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			9/20/88

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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MAR 01 1994

MISSOURI LAND
RECLAMATION COMMISSION

Page 1 of 1

MINE PLAN FORM

Type of plan (check one):	<input type="checkbox"/> Short term, for one permit year <input checked="" type="checkbox"/> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	
Steep hill, rock bluffs, tree and brush covered. No topsoil: sandy loam with floating chert sediments compose overburden.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	None inches	Is topsoil to be sold or discarded offsite? (Y or N):
Describe methods and equipment used for topsoil removal		
None.		
Describe methods and equipment used for topsoil storage and protection		
None.		

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A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND
RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

Wildlife

Spring - March 15 thru May 15

Fall - Sept. 10 thru Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done in the immediate seeding time following placement of topsoil/overburden. The seed mix will be broadcast and harrowed or mulched.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass	20		
Timothy	5		
Red Clover	6		
Kobe Lespedeza	5		
Wheat	25		
Fertilizer 17/17/17	300		

REVEGETATION MIX #2

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

N/A

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Revised plan for
and wildlife
seeding section
Amended

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

SEP 13 2004

B. GRADINGMISSOURI LAND
RECLAMATION COMMISSION**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Completed area will slope generally to the South, spoil will lay several feet thick in bottom of cuts. Spoil will be leveled, graded and used as storage area.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Spoil will be leveled, drained and several small water sheds built to the east. Grading will take place as overburden is removed, or as soon as practical. Grading will be completed within 12 months of the expiration of the permit, under which the surface disturbance occurred. *WJW*

REPLACEMENT OF TOPSOIL

None

REVEGETATION

Seeding and fertilization shall occur at the first such opportunity after soil is leveled into place.

Revegetation efforts will be completed during the first planting season following grading. *WJW*

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

None

(revised 9/04)

D. USE OF LAND WHEN RECLAIMED**ESTIMATED ACRES:**

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

15

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

50

Water impoundments (for wildlife, agriculture, or development)


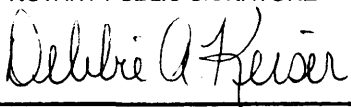

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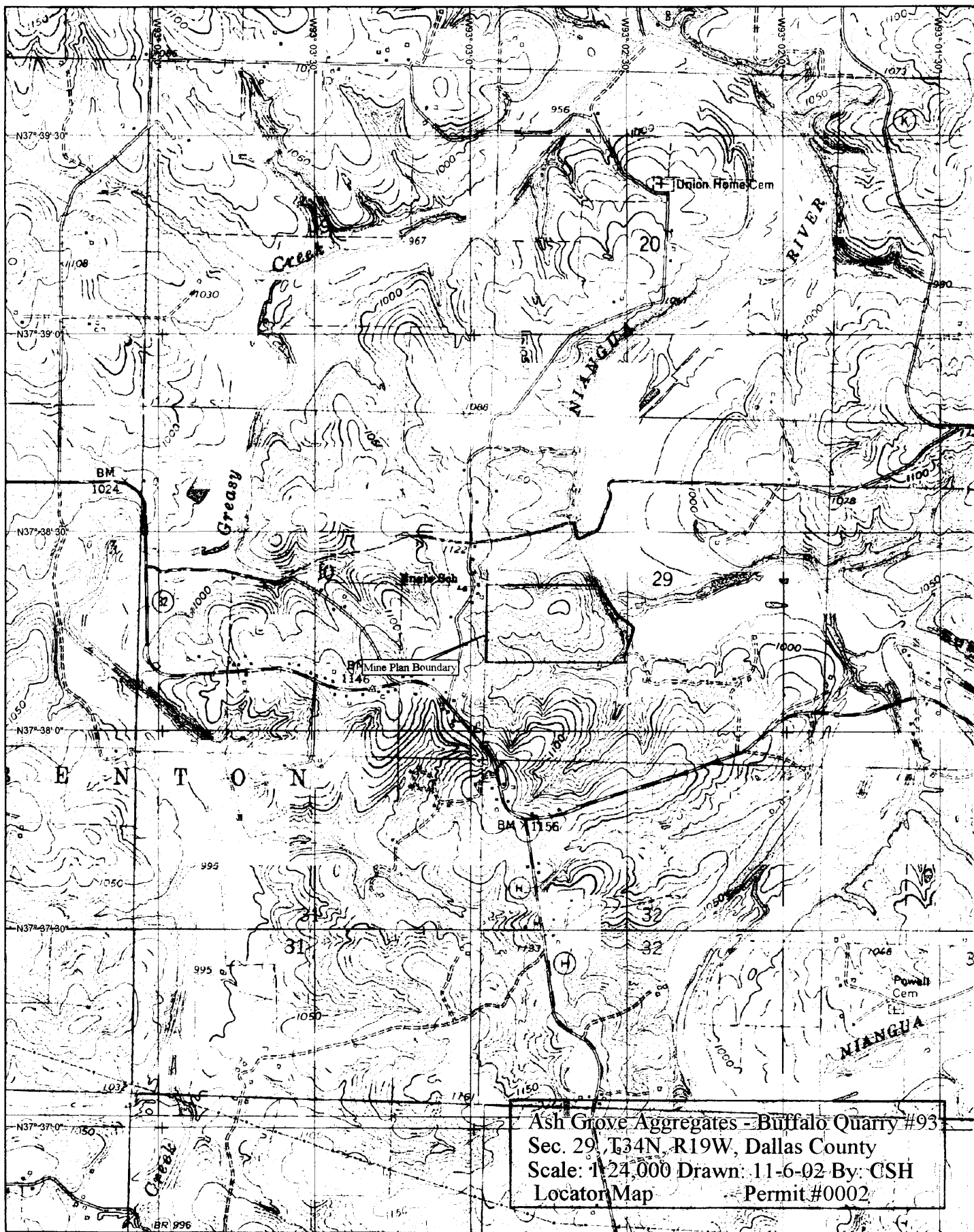
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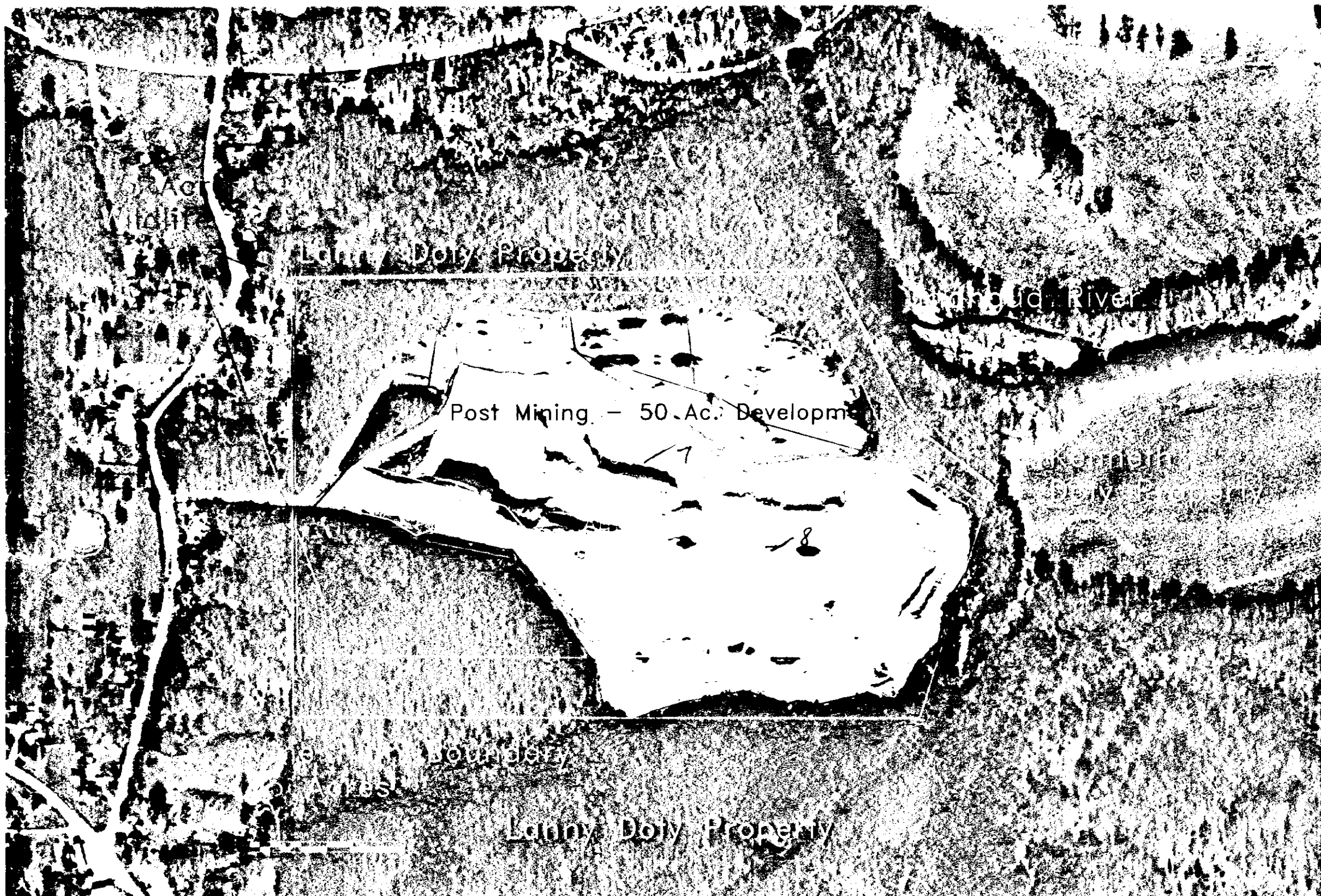
MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 	TITLE General Manager	DATE 7/19/04
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS 19 DAY OF July 20 04	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser	
USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006		
FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED 9/21/04	PERMIT NUMBER 0002





Ashgrove Aggregates, Inc.
Permit #0002
Buffalo Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND
RECLAMATION COMMISSION

J. Smith 7/13/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name		
Butler - 71		91-002		Batesco Quarries, Div. Union Quarries Inc.		
County	1/4 section	Section	Township	Range	Acres	
Bates	SE 1/4 SW 1/4, NW 1/4	19 20, 30	40N	31W	221	
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)		
		Limestone				

Name of landowner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

Mineral rights owner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway,	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSIONP.O. Box 176
Jefferson City, MO 65102

MINE PLAN FORM

Type of plan (check one):	<input type="checkbox"/> Short term, for one permit year <input checked="" type="checkbox"/> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography Slight rolling land cleared of most trees and currently in CRP (set aside). Several ponds on East reserves. Southwest area is shop and storage (industrial site) areas.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	8" - 12" inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
Describe methods and equipment used for topsoil removal Dozers strip topsoil prior to removal of overburden and stockpile adjacent to areas reclamation will be completed on. Topsoil typically parallels box cut of pit.		
Describe methods and equipment used for topsoil storage and protection Round mounds and grade for minimal wash loss - some seeding or fescue and wheat to stabilize higher banks - straw bale dams in areas of possible siltation or erosion of stored topsoil.		

B. Spoil

Describe methods and location of spoil placement and disposal

Spoil dozed into previous box cut, so as to reclaim previous pit with spoil from new cut. Along outside cuts, spoil dozed over previous spoil until stone is removed and spoil pushed back into cut - also used for safety berms on outside cuts.

C. Acid materials

Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)

None.

D. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pits in various locations - See map 2

No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

Yes Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

REC 1A ON PLAN - 10 CSR 40-10. (D)2.

A. Revegetation (attach additional sheets, if needed)

Revegetation mix #1	Purpose or land use Pasture	B. Seeding or planting time Spring - March 15 to April 15 Fall - Sept. 10 to Oct. 10	
Describe methods and equipment used for seeding or planting Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation. See map 1. Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue	15		
Clover	5		
Oats	30		
Fertilizer	30/30/30		

Revegetation mix #2	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting Lime and fertilizer will be applied, according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Species	Pounds/Acre	Tree or shrub species	Stems/ Acre

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Slightly rolling topography with not more than 25% of the sloped areas exceeding a grade of 3:1.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Within 12 months of expiration of the permit.

REPLACEMENT OF TOPSOIL

Within 12 months of expiration of the permit.

REVEGETATION

Within 24 months of the expiration of the permit.

AVERAGE DEPTH OF REPLACED TOPSOIL,
combined 12"

(revised 6/30/04)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

191

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

15

Water impoundments (for wildlife, agriculture, or development)

15

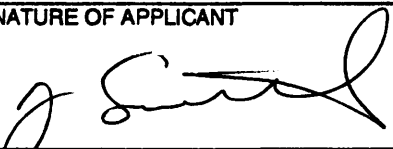
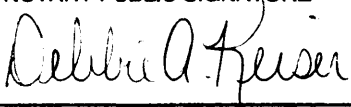
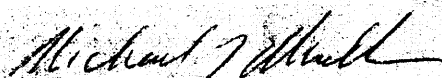
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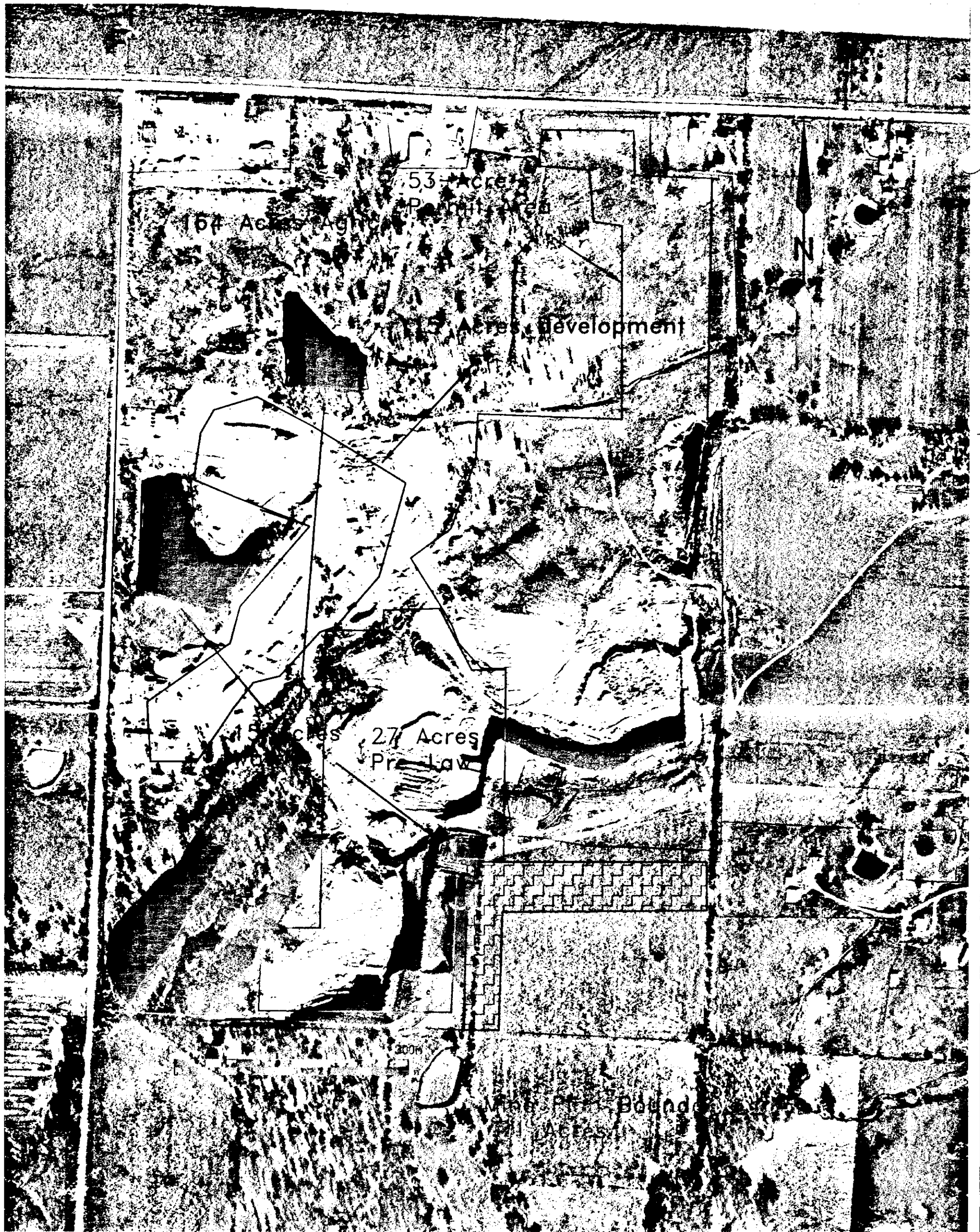
MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE General Manager		DATE 7/19/04
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 19 DAY OF July 20 04		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 2006	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06		
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser			
DEPARTMENT USE ONLY: APPROVED BY 		DATE APPROVED 7/28/04		PERMIT NUMBER 0002





Ashgrove Aggregates, Inc.
Permit #0002
Butler Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND
RECLAMATION COMMISSION

[Signature] 7/15/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Cliquot - 91		91-002		Batesco Quarries-Div Union Quarries Inc.	
County	1/4 section	Section	Township	Range	Acres
Polk	SE 1/4 NE 1/4	5 8	34N	23W	97.38
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

Mineral rights owner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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RECLAMATION COMMISSION

MINE PLAN FORM

Type of plan (check one):	<u> </u> Short term, for one permit year <u> X </u> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	
Typical Ozark hills: dense timber cover, clay-chert type soil with no overburden ("topsoil"). Eastern edge is high point of hill, falling steeply to the West.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	None inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
Describe methods and equipment used for topsoil removal		
Overburden is removed with dozer and pushed westwardly. Depth ranges from 8' to 0' with ledges outcropping along the west side of property.		
Describe methods and equipment used for topsoil storage and protection		
No topsoil is existent for removal or storage.		

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B. Spoil

Describe methods and location of spoil placement and disposal

Spoil is dozed to the west and leveled to match floor of pit.

C. Acid materials

Describe methods and equipment used for handling acid materials (if none is anticipated, write "none" below)

None.

D. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pit runs north and south and is expanded as reserves are taken out. This location has not been mined for several years and reserves are being held for future use. See map 12.

No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

No Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

A. Revegetation (attach additional sheets, if needed)

Revegetation mix #1	Purpose or land use Water Impoundment	B. Seeding or planting time Spring - March 15 to April 15 Fall - Sept 10 to Oct. 10	
Describe methods and equipment used for seeding or planting Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation. Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue	15		
Clover	5		
Oats	30		
Fertilizer	30/30/30		

Revegetation mix #2	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Species	Pounds/Acre	Tree or shrub species	Stems/ Acre
		RECEIVED MAR 01 1994 MISSOURI LAND RECLAMATION COMMISSION	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AND REVEGETATION

Describe proposed reclaimed topography, including slopes

Reclamation will progress after location becomes an active location again. Pit area will remain flat, exposed and available for use as a storage area. Spoil will be leveled to the west of the pit and due to extreme sand and chert content, probably not support any precise type of vegetation. A large lake will receive most run-off from the pit and mining area, providing a source of water and a control of rainwater discharge.

Describe the general sequence and timing of the following activities

Grading

As reserves are stripped and exposed, they will be graded to a level contour west of the pit area.

Replacement of topsoil

None anticipated.

Revegetation

Unknown, at this time, if any vegetation can be supported.

Average depth of replaced topsoil (inches):

None - See above

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	30
Water impoundments (for wildlife, agricultural, or development)	4

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

Signature of applicant	Title	Date
X <i>John M. Lutz</i>	Vice President	Jan. 15, 1992

Appeared before me this 15th Day of January, 1992,

John M. Lutz to me personally known,
who executed the above as their free acts and deeds.

Notary Public: *Debbie A. Keiser* My Commission Expires on: Jan. 20, 1994
State of Missouri
County of Missouri

Approved by, (Director's representative)	Date approved
X <i>[Signature]</i>	3-18-94

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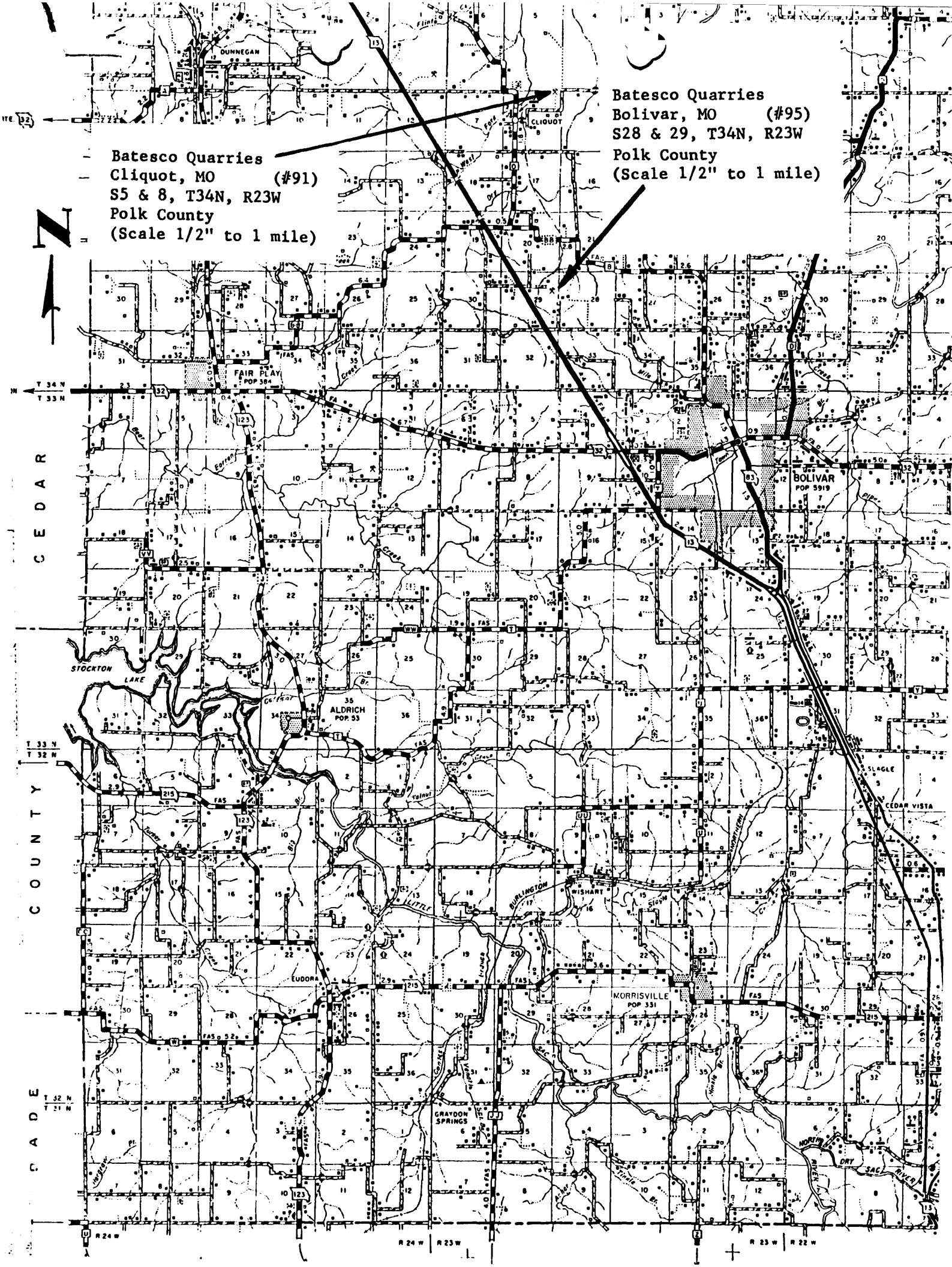
MISSOURI LAND
RECLAMATION COMMISSION

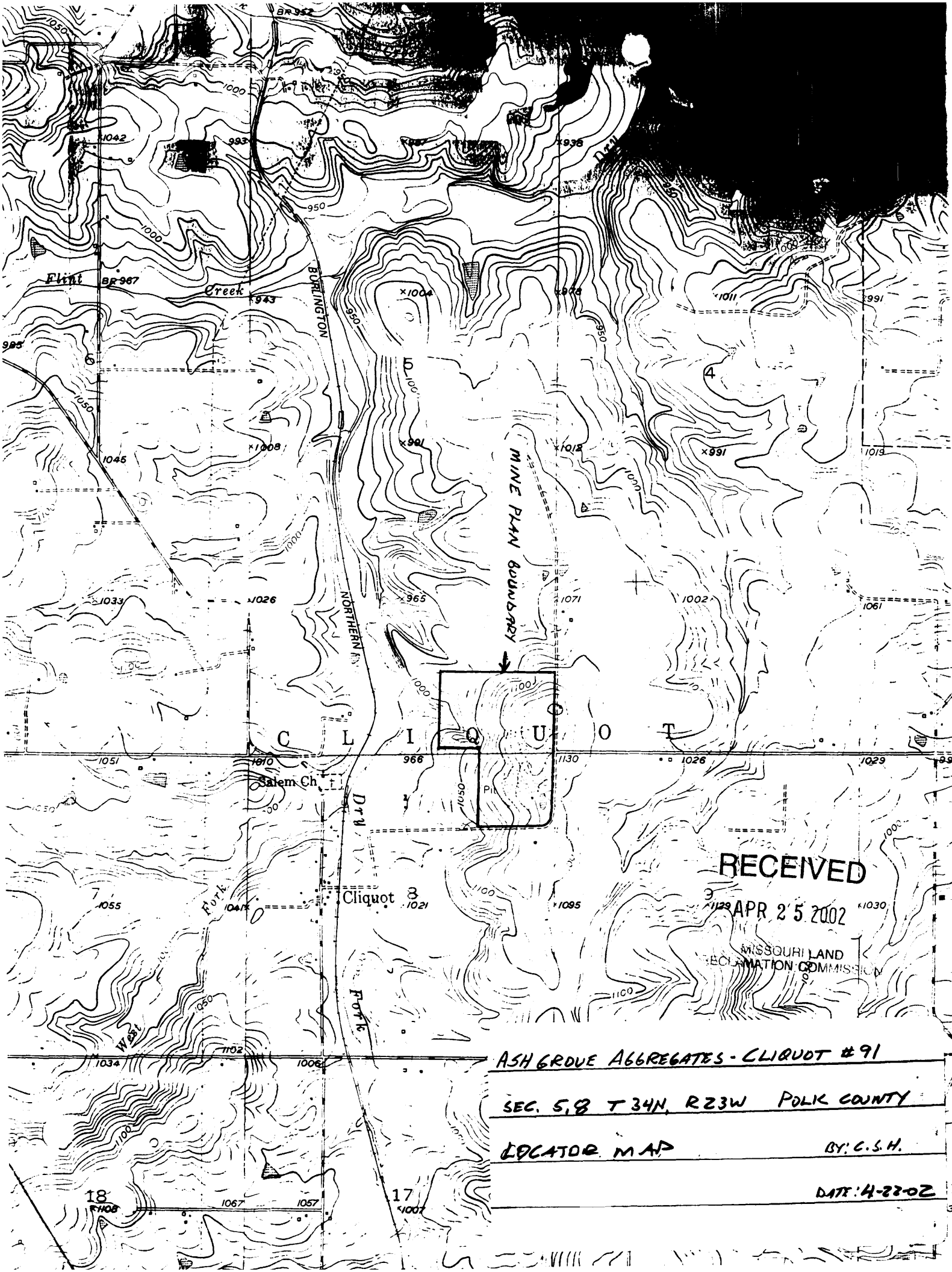
Attach the following documents to the Mine Plan Form:

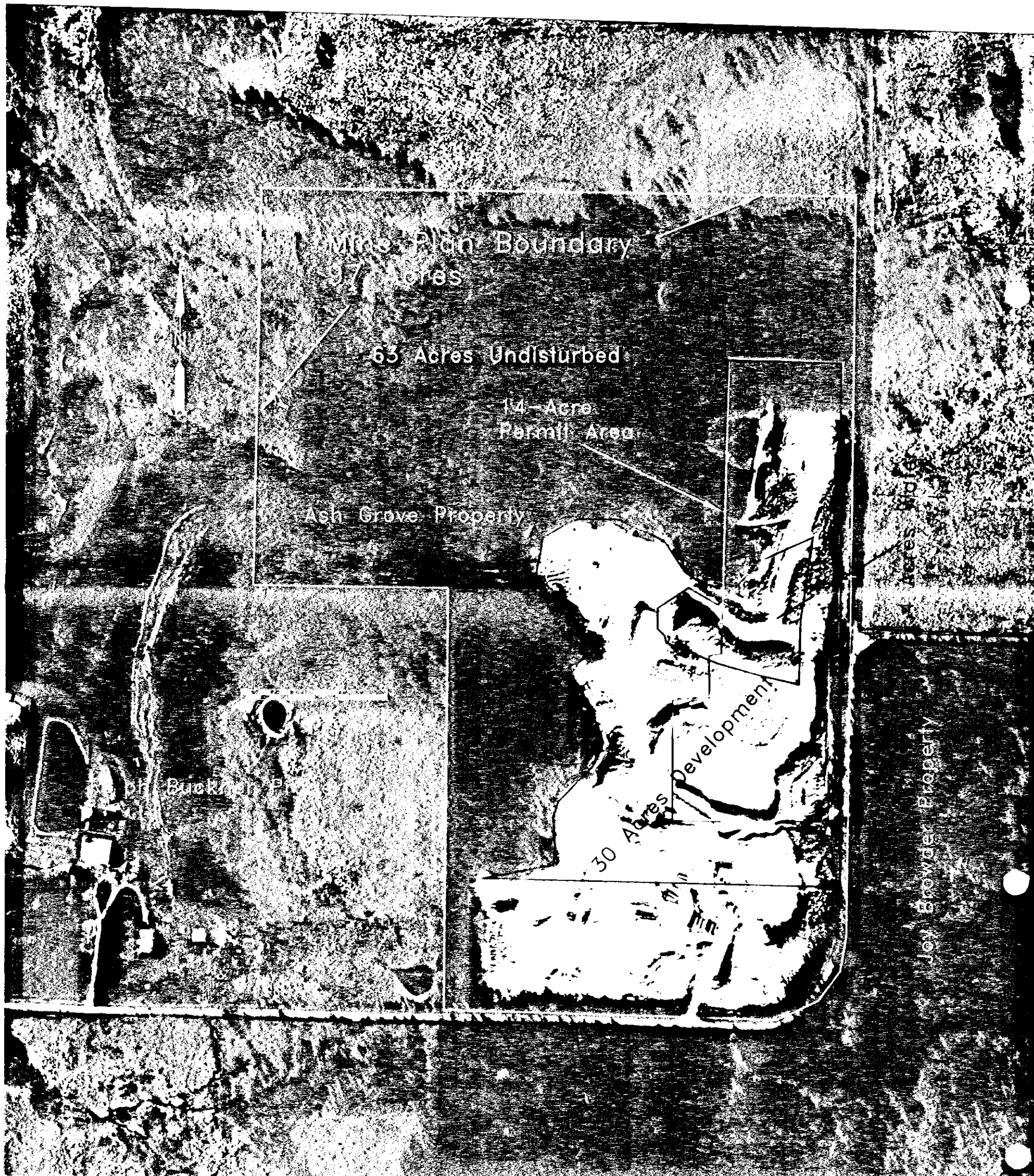
- A. Soil substitution application form, if applicable.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devices.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.

Batesco Quarries
Cliquot, MO (#91)
S5 & 8, T34N, R23W
Polk County
(Scale 1/2" to 1 mile)

Batesco Quarries
Cliquot, MO (#91)
S5 & 8, T34N, R23W
Polk County
(Scale 1/2" to 1 mile)







Ashgrove Aggregates, Inc.
Permit #0002
Cliquot Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND
RECLAMATION COMMISSION

J. Smith 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MAY 27 2003

To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER #486 El Dorado - Dever Quarry		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates, Inc.			
COUNTY St. Clair	1/4 SECTION SE SW	SECTION 7 8	
TOWNSHIP 36N	RANGE 28W	ACRES 177	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) L. Allen Dever, Jr.		
ADDRESS 758 Chancellor Heights Dr.		
CITY Manchester	STATE MO	ZIP CODE 63011
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 4-22-03
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same as landowner		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MAY 27 2003

MISSOURI LAND

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

RECLAMATION COMMISSION

COMPANY NAME Ash Grove Aggregates, Inc.☒ LONG TERM, FOR PERIOD THROUGH DATE: June 2040

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers an area of approximately 177 acres with rolling topography, covered with brush and timber. Some areas of pasture comprised predominantly of fescue. There are two existing pits, one pit is approximately 8 acres and the other is less than 1 acre. There are overburden piles around those existing pits. The topsoil material is a sandy, rocky, loam type of material. The depth of topsoil is 0-12" thick.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES

OR

☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees are removed with a dozer, the top 12 inches of soil will be removed with dozers and/or scrapers. Topsoil removal will be kept at least 20 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Dozers and/or scrapers will deposit topsoil in stockpiles near the pit area (see map). The stockpiles will be shaped and seeded (with seed mix on page 3 of mine plan) on a permitted area to protect the pile from erosion.

B. SPOIL**DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL**

Overburden removed from the first mining cut will be placed in the permitted area between the creek and the pit with sufficient room from the creek to leave a 50 foot buffer of trees. The overburden stockpiles will be graded to traversable slopes (3:1) before topsoil is replaced. Overburden from the remaining mining cuts will be pushed into the mined-out pit from the first cut.

C. ACID MATERIALS**DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)**

None.

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**MISSOURI LAND
RECLAMATION COMMISSION**

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS**

The first cut (cut #1) will be in the northwest corner of the mine plan. A protective barrier will surround the pit area on the south, west and north edges of the mine plan. From there, the pit will advance south, then cut #2 will be mined with overburden pushed into cut #1, followed by cut #3.

YES**NO**☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1 ½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "YES", a safety barrier may be needed.)

A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**REVEGETATION (Attach additional sheets, if needed)**

REVEGETATION MIX #1	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
#1	Wildlife	Spring: March 15-May 15 Fall: Sept. 10-Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done in the immediate seeding time following placement of topsoil.
The seed mix will be broadcast and harrowed or mulched.

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RECLAMATION COMMISSION**

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass Timothy Red Clover Kobe Lespedeza Wheat Fertilizer 17/17/17	20 5 6 5 25 300		

REVEGETATION MIX #2	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
N/A		

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

All spoil areas will be graded to slopes traversable by farm machinery. There will be 4 water improvements; two existing pits and two pits created during the mining process.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and as spoil is placed in the outer berm or in the mined-out portions. Final grading will be completed within one year of permit expiration.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced within one year of permit expiration.

REVEGETATION

Revegetation will commence at the first planting season immediately following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

140

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

2

Water impoundments (for wildlife, agriculture, or development)

35

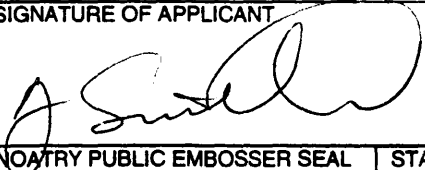

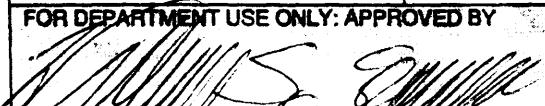
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RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE General Manager		DATE 5-20-03
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 23 DAY OF May 20 03		USE RUBBER STAMP IN CLEAR AREA BELOW	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06	DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006	
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser			
FOR DEPARTMENT USE ONLY: APPROVED BY 			DATE APPROVED 4-20-05	PERMIT NUMBER 0002-A1

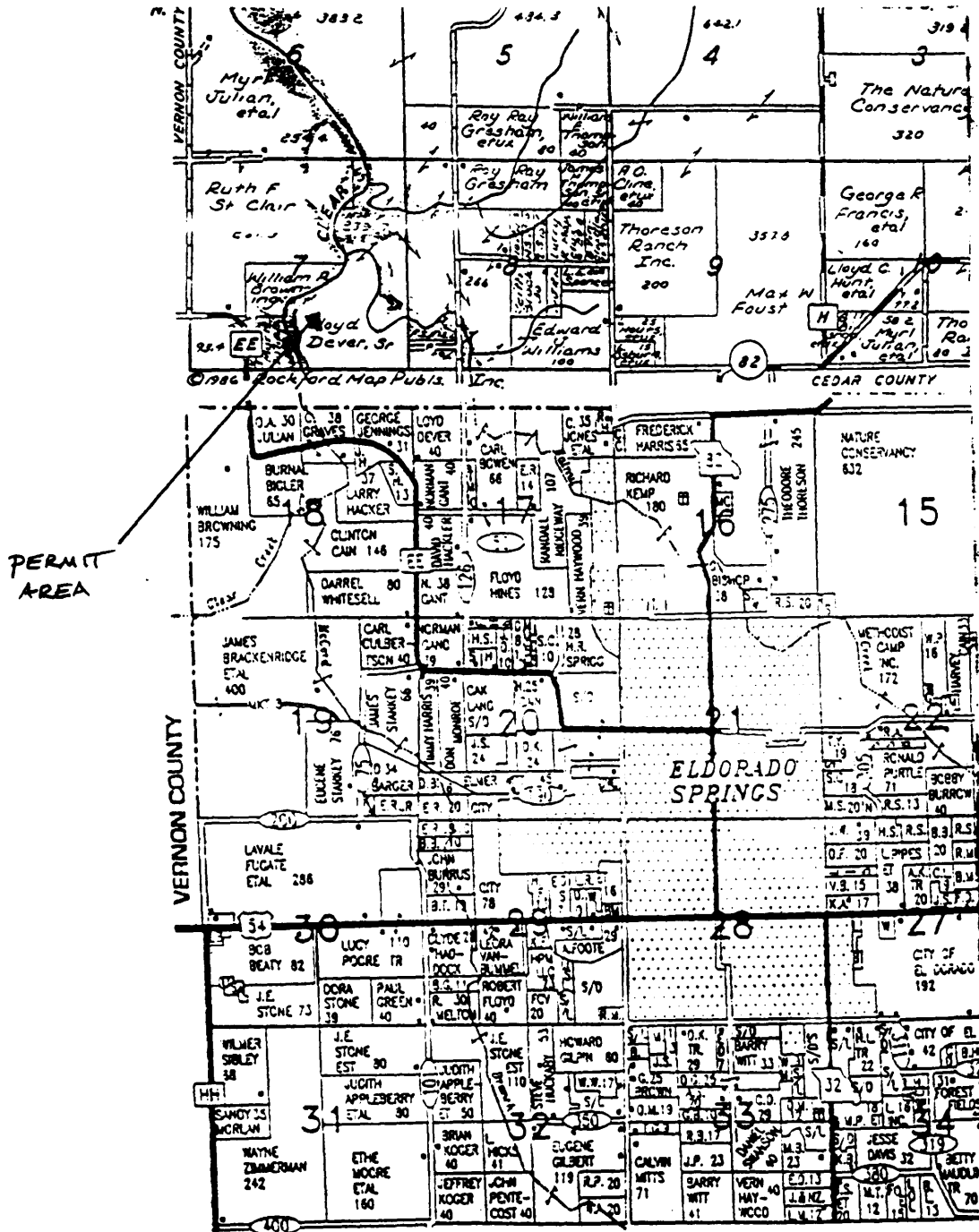
Green line

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Locator Map

MAY 27 2003

MISSOURI LAND
RECLAMATION COMMISSION



Ash Grove Aggregates, Inc.
#486 Eldorado Springs Quarry
Permit #0002 N↑
St. Clair County
Sec 7 & 8, T36N, R 28W
5/20/03 Prepared by: RJS

Send To Printer

Back To T

Server

Change to 11x17 Print Size

Show Lines

Change to Landscape

USGS 7 km NW of El Dorado Springs Memorial Airport, Missouri, United States 10 Mar 1995



0 0.5Km

0 0.25Mi

Image courtesy of the U.S. Geological Survey

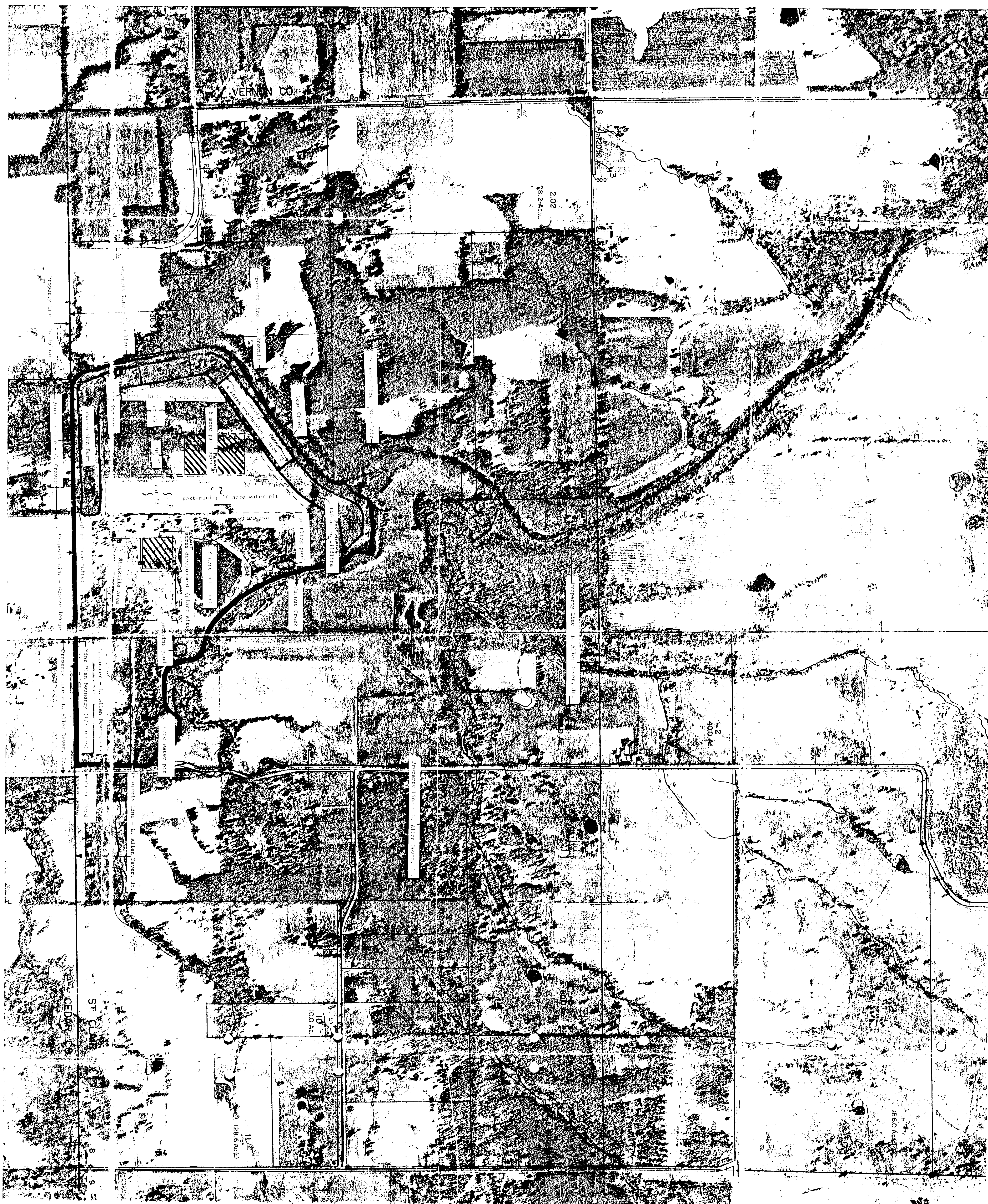
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MAY 27 2003

MISSOURI LAND
RECLAMATION COMMISSION

Ash Grove Aggregates, Inc.
#486 ElDorado Springs Quarry
Permit #0002 N ↑
St. Clair County
Sec 7 & 8, T36N, R 28W
5/20/03 Prepared by: RJS





MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER #487 El Dorado Springs Quarry		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates, Inc.			
COUNTY Vernon	1/4 SECTION NE	SECTION 25	
TOWNSHIP T36N	RANGE R29W	ACRES 160	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Nova Lackey		
ADDRESS Route 1 Box 17		
CITY El Dorado Springs	STATE MO	ZIP CODE 64744
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT 10-24-00

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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DEC 11 2000
MISSOURI
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: December 1, 2000 through December 31, 2050

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Rolling topography covered largely by brush and timber. Some areas of pasture comprised predominantly of fescue. There are two existing pits on the east side of the old property that was worked prior to 1970. There is also old overburden piles located adjacent to these pits.

The surface soil material is a sandy, rocky, loam type of material. The depth of the material is 12 inches thick, depending on the location. Chert and weathered limestone are predominant throughout the material.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12" surface soil INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The top 12 inches of surface soil will be removed with dozers and/or scrapers. Material will be placed on graded areas or stockpiled in a stable location until final placement can be done. If an area is encountered where 12 inches of surface soil is not present, as much as practical will be removed and placed as described.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The surface soil will be stockpiled in a stable location within the permit area and protected from erosion by establishment of a vegetative cover.

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DEC 11 2000

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NOV 16 2000

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

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Spoil will be removed with dozers and/or scrapers. The spoil will be used to construct a berm around the final perimeter of the pit. The berm will be graded, and the topsoil will be placed on it. Any remaining overburden will be placed in a mined out section of the pit and graded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Final pit will encompass approximately 36 acres. Pit will run north/south.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Berm will be graded to traversable slopes. Pit floor will be flat with some boulder piles on it.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will take place as overburden is removed, or as soon as practical. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REVEGETATION

Revegetation efforts will commence at the first planting season immediately following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

(revised 6/30/04)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

112

Agriculture (pasture, cropland, and horticultural)

2

Development (residential, industrial and recreational)

10

Water impoundments (for wildlife, agriculture, or development)

36

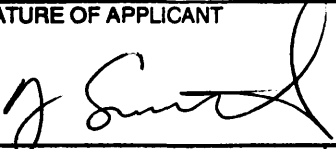
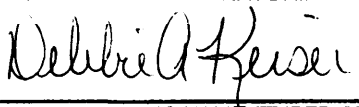

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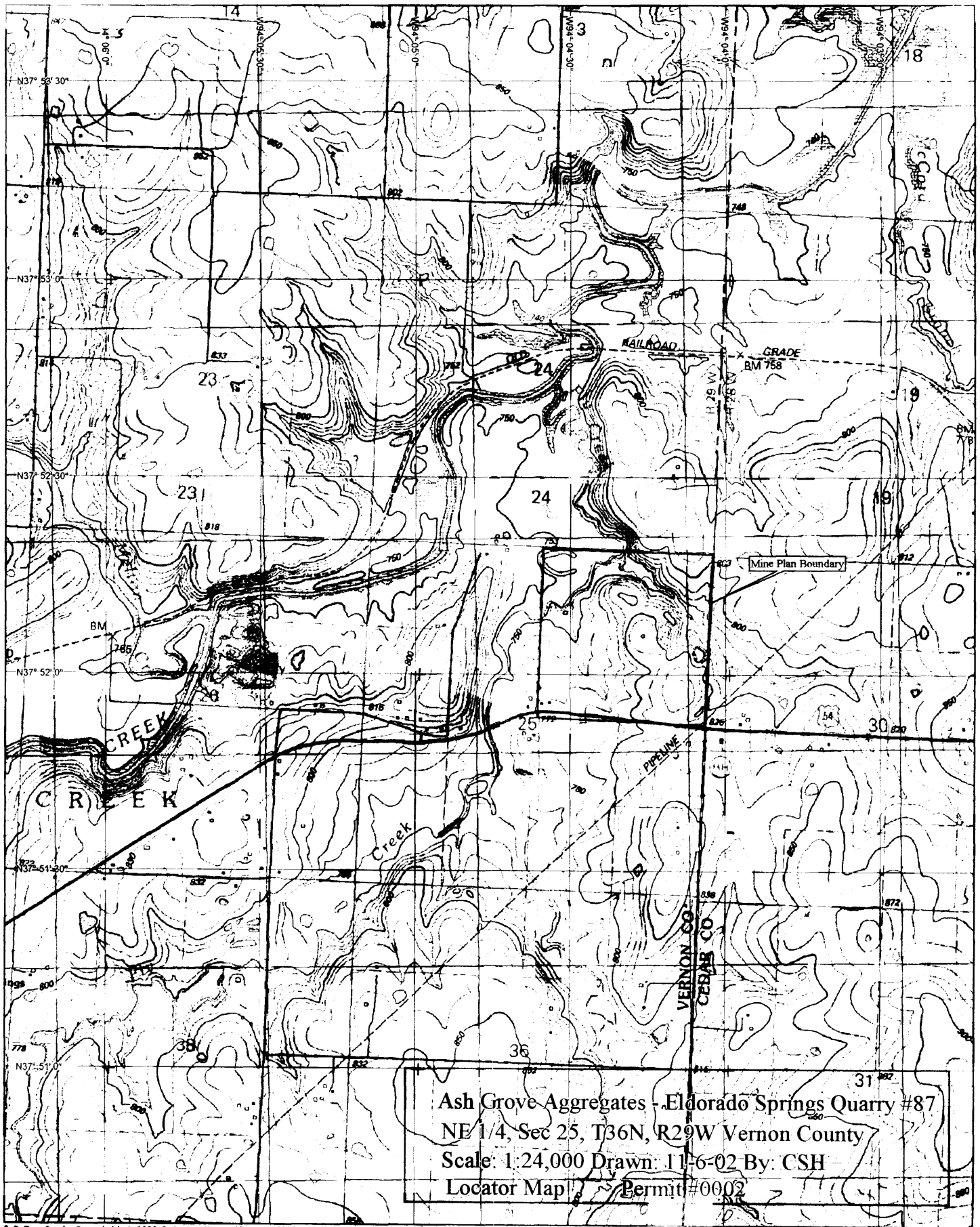
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MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 	TITLE General Manager	DATE 7/19/04
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates
	SUBSCRIBED AND SWORN BEFORE ME, THIS 19 DAY OF July 20 04	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser	
USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006		
FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED 7/28/04	PERMIT NUMBER 0002



Marshall Carson Property

Clear Creek

Newton Property

5 Acre

Amendment

Wildlife

10 Acre

Permit Area

10 Acre Development

Loyola Hughes
Property

36 Acres Water

12 Acres Agrip

ELDORADO SPRINGS

Ashgrove Aggregates, Inc.

Permit #0002

El Dorado #487 Quarry

Prepared by:

Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
RECLAMATION COMMISSION

[Signature] 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER El Dorado Springs 88 98		PERMIT NUMBER 93-002
COMPANY NAME Batesco Quarries - Div. of Shamrock Aggregates, Inc.		
COUNTY Vernon	1/4 SECTION NE 1/4	SECTION 26
TOWNSHIP 36N	RANGE 29W	ACRES 50
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Cullor, Inc.		
ADDRESS 20th & Sidney		
CITY Fort Scott	STATE KS	ZIP CODE 66701
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): Lease		DATE OF AGREEMENT 5-21-93
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

RECEIVED

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Cullor, Inc.		
ADDRESS 20th & Sidney		
CITY Fort Scott	STATE KS	ZIP CODE 66701
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 5-21-93
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Low grade fescue pasture with spotted trees and rolling hills. All topsoil removed prior to requirement for topsoil saving.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

_____ INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

N/A

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

N/A

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MAR 01 1994

MISSOURI DEPARTMENT OF
LAND RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The overburden spoil pile will be pushed back in the quarry pit when mining is completed. Any remaining overburden will be graded to a 3 to 1 slope.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The approximate size of the pit is 900 feet by 700 feet. There is a possibility of expansion in the future into the stockpile area located to the south.

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YES NO☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

Wildlife - Water

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Hydro Seeding - Slopes to impoundment.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	25		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**RECEIVED****DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Slopes will be graded to a 3 to 1 slope.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

End slopes of unconsolidated material will be graded to a 3 to 1 slope within twelve months of end of mining.

REPLACEMENT OF TOPSOIL

No topsoil present on site.

REVEGETATION

End slopes will be vegetated during first acceptable period of seeding after grading has been completed. SCS critical area planning will be used as a reference.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" combination topsoil/overburden (revised 6/30/04)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	26
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial and recreational)	10
Water impoundments (for wildlife, agriculture, or development)	14

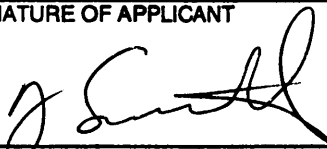
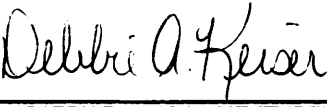
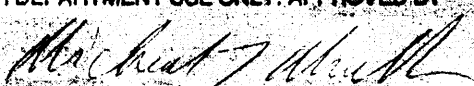
RECEIVED

JUL 23 2004

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE General Manager		DATE 7/19/04	
NOTARY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates		
	SUBSCRIBED AND SWORN BEFORE ME, THIS 19 DAY OF July 20 04		USE RUBBER STAMP IN CLEAR AREA BELOW		
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06	DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 2006		
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser				
FOR DEPARTMENT USE ONLY: APPROVED BY 			DATE APPROVED 7/28/04		PERMIT NUMBER 0002

RECEIVED
JUN 12 1997

MISSOURI LAND
RECLAMATION COMMISSION

Affidavit of Publication

STATE OF MISSOURI }
COUNTY OF VERNON } ss.

PUBLIC NOTICE

By submittal of this notice, Batesco Quarries, Division of Shamrock Aggregates, Inc., P.O. Box 70, Butler, MO 64730, indicates intent to mine limestone on the following tracts of land all lying within Vernon County, Missouri:

110 acres of land located in Section 20, Township 36 North, Range 31 West

50 acres of land located in Section 26, Township 36 North, Range 29 West

This mine plan will remain in effect until the year 2025. Anyone whose direct personal interests may be affected can make written comments to: Director, Land Reclamation Program, P.O. Box 176, Jefferson City, MO 65102. All written comments must be submitted to the Director's Office within fifteen (15) days of the original publication of this Notice.

Publication Date:
July 2, 1993

Becky Last, of lawful age, being duly sworn according to law, says that (s)he is Classified Ad Rep and agent of The Nevada Publishing Company, the publisher of The Nevada Daily Mail/Sunday Herald, a daily/weekly newspaper published in Nevada, Vernon County, Missouri; that the Notice, a true copy of which is hereto attached, was published in said newspaper for One (1) weeks successively on the following dates, to-wit:

Date	<u>July 2</u>	19 <u>93</u>
Date		19
Date		19
Date		19
Date		19
Date		19
Date		19

That said newspaper is located in Vernon County, Missouri, and is of general circulation therein, and has been and is admitted to the United States post office in Nevada, Missouri, the city of publication, as second-class matter; and that said newspaper has been published regularly, consecutively and continuously in the city and county aforesaid for a period of more than three years next prior to the first insertion or publication of said notice; that said newspaper had and now has a list of bona fide subscribers voluntarily engaged as such who have paid or have agreed to pay a stated price for a subscription for a definite period of time, and that said newspaper is published according to and has complied with the provision of Section 493.050, Revised Statutes of Missouri, 1949.

#87 NEVADA

#88 EL DORADO

Publication Fee: \$ #1815

Subscribed and sworn to before me this 6th day of July, 19 93

Katherine L. Fleener
Notary Public

My commission expires January 2, 19 95

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

4° 07' 30" SCHELL CITY 10 MI.
2.1 MI. TO HY. EE

402000E

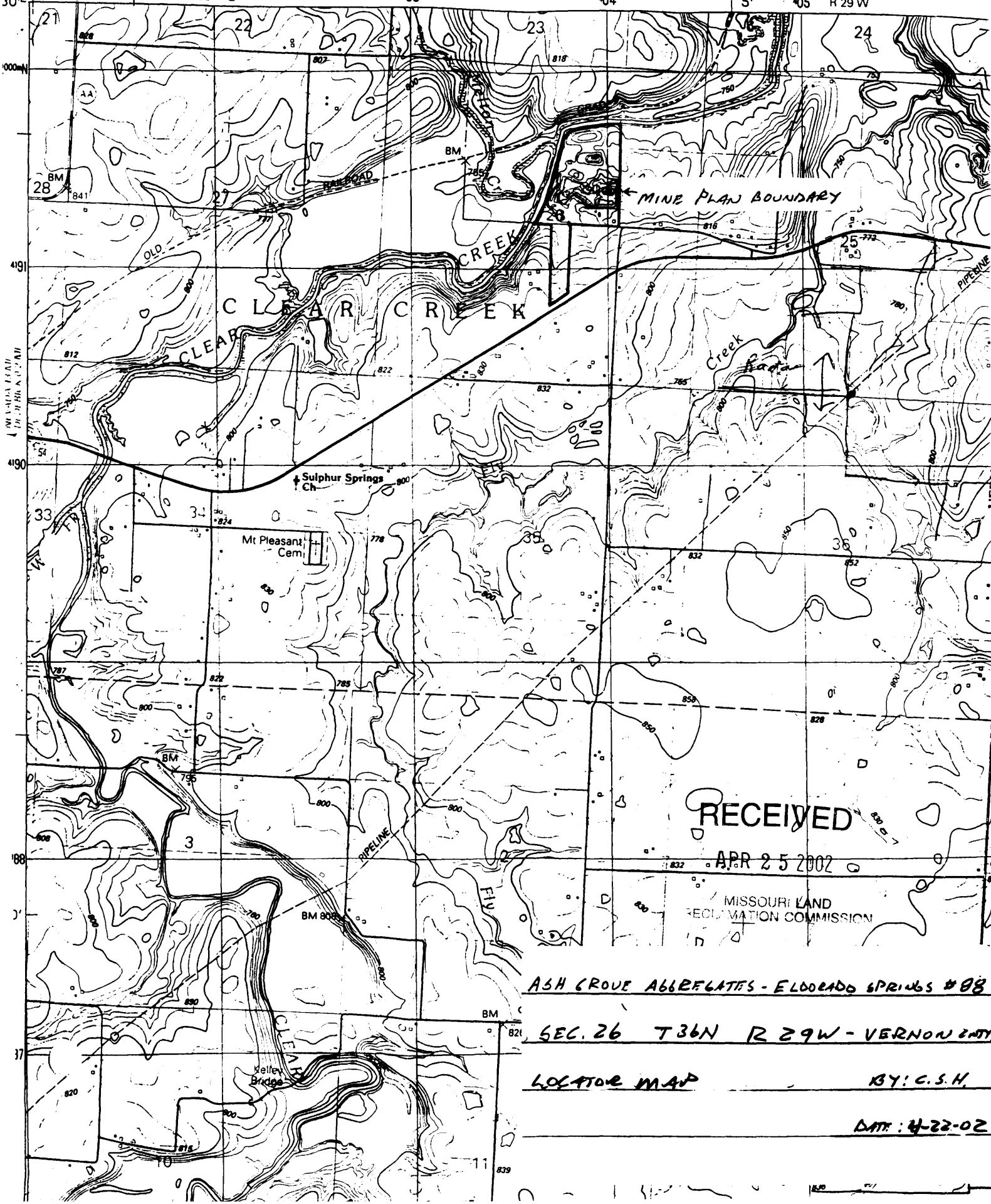
403

404

5'

405

R 29 W



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APR 25 2002

MISSOURI LAND
RECLAMATION COMMISSION

ASH GROVE ABRECATES - ELDOADO SPRINGS #88

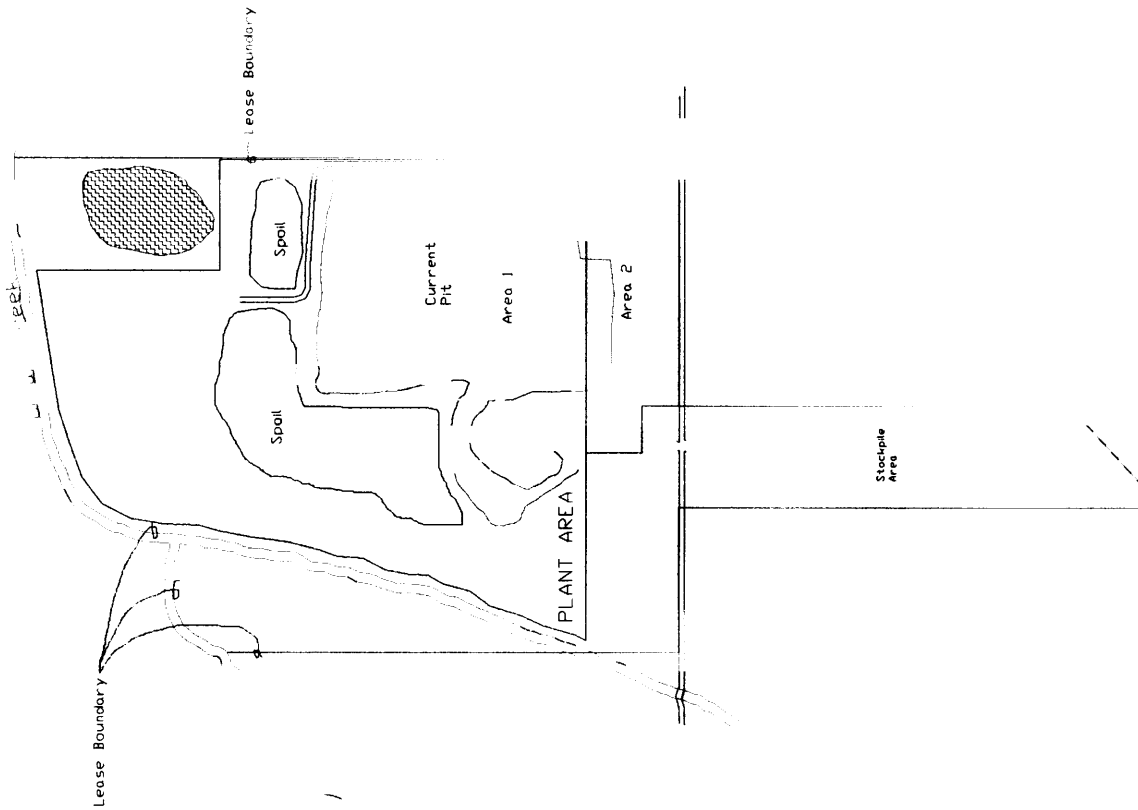
SEC. 26 T36N R29W - VERNON CNTY.

LOCATION MAP

BY: C.S.H.

DATE: 4-22-02

NOTES:
 1) AREA 1 = 29 AC
 2) AREA 2 = 4 AC
 3) LAND IS OWNED BY
 CULLOR, INC. OF FT. SCOTT, KS



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 JAN 27 1997
 MISSOURI LAND
 RECLAMATION COMMISSION

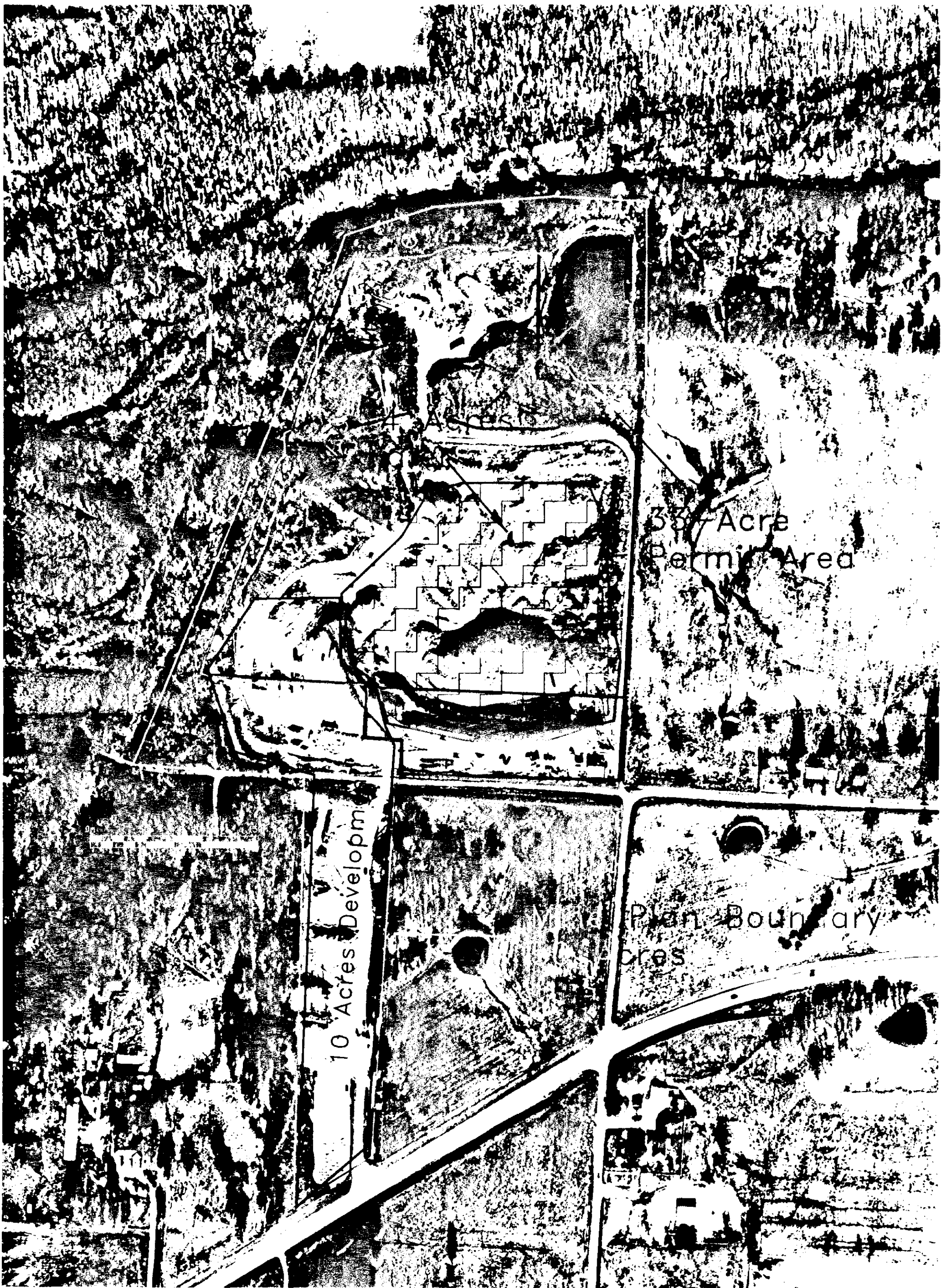
FIG. 1 [1 of 3]

Drawn By: M. Larson Updated by: C. Huett
 Date: 1/20/97 Page: 1 of 1

Eldorado Springs Quarry
 Reclamation Map

Scale 1" = 500'

Legal: Sec. 26; T36N; R29W
 Verron County, MO



Ashgrove Aggregates, Inc.
Permit #0002
El Dorado #88 Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND
RECLAMATION COMMISSION

J. Smith 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER Fair Grove Quarry #497		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates, Inc.			
COUNTY Dallas	1/4 SECTION NE $\frac{1}{4}$ of SW $\frac{1}{4}$		SECTION 8
TOWNSHIP 31N	RANGE 20W		ACRES 40
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) 			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) James and Burna Taylor		
ADDRESS Route 1 Box 338		
CITY Fair Grove	STATE MO	ZIP CODE 65648
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT June 26, 2001

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) James + Burna Taylor		
ADDRESS Same as above		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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P.O. BOX 176
JEFFERSON CITY, MO 65102

JUL 02 2001

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: July 2001 through July 2005, MISSOURI LAND RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The northeast section consists of a flat field. The remainder of the property is a hillside that slopes to the south and west. Soil is very rocky and non-existent on portions of the hillside. Field is covered with fescue. Hillsides are covered with brush and trees.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-2 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers and/or other equipment will be used to strip topsoil and overburden. Due to the lack of soil, all material will be saved for reclamation purposes. Material is of poor quality.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Material will be stockpiled in a stable location and protected from erosion by establishment of a temporary vegetative cover.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Due to the fact that the material cover is thin, it is anticipated that there will be no spoil. However, if this does occur, spoil will be removed with dozers and/or other equipment and be used to build a berm around the perimeter of the pit.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None.

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Pit will cover western portion of permitted property.

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Wildlife

MISSOURI LAND
RECLAMATION COMMISSION

B. SEEDING OR PLANTING TIME

as required

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

After topsoil placement, seed and fertilizer will be broadcast over area.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		
Red Clover	3		
Oats or Wheat (depends on season)			
Fertilizer 30/30/30			

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Berm to be constructed around perimeter of pit. Berm to be graded at approximately 20 degree slope. Pit floor to be flat.

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MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed as grading activity is completed.

REVEGETATION

Seeding and fertilizing will be done as topsoil is replaced.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

0-2"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

10

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

30

Water impoundments (for wildlife, agricultural, or development)

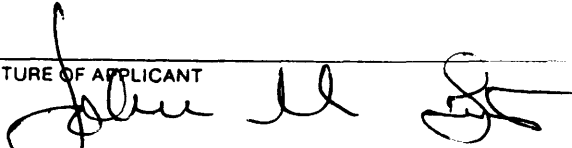
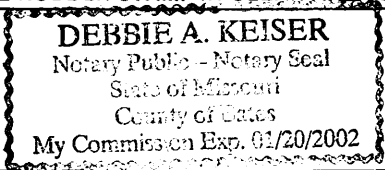
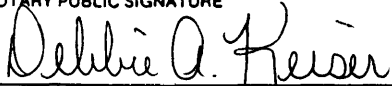

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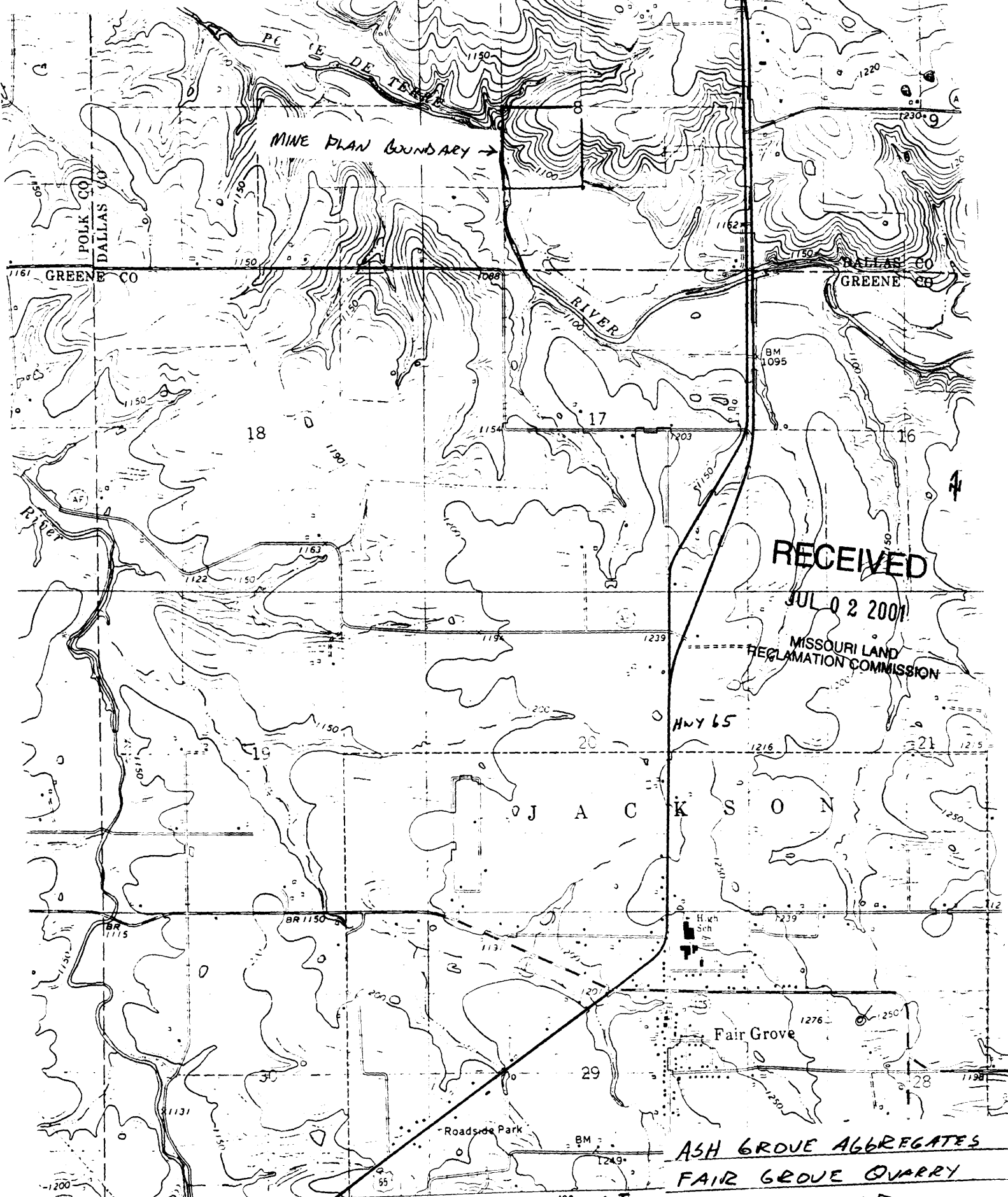
JUL 02 2001

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE President	DATE 6-26-01
NOTARY PUBLIC EMBOSSEY SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 26 DAY OF June 2001		USE RUBBER STAMP IN CLEAR AREA BELOW 
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-02	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 6-20-01	PERMIT NUMBER 0002



MINE PLAN BOUNDARY →

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MISSOURI LAND RECLAMATION COMMISSION

HWY 65

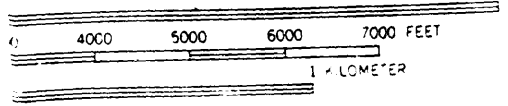
JACKSON

Fair Grove

Roadside Park

ASH GROVE AGGREGATES
FAIR GROVE QUARRY
LOCATOR MAP

11 MI. TO INTERSTATE 44 R 20 W 10
SW SPRINGFIELD (PUBLIC SQUARE) 6 M.
24000 SCALE: 1 MILE



DRAWN 6-25-01 BY: C.S.H.



Ashgrove Aggregates, Inc.
 Permit #0002
 Fair Grove Quarry
 Prepared by:
 Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
 RECLAMATION COMMISSION

J Smith 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Marshfield #96		PERMIT NUMBER 002
COMPANY NAME BatesCo Quarries-Division Of Union Quarries, Inc.		
COUNTY Webster	1/4 SECTION SE, SW, & NW	SECTION 34
TOWNSHIP T 32 North	RANGE R18 West	ACRES 98
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Edward D. And S. Darlyne Killingsworth		
ADDRESS 410 NE Hubble		
CITY Marshfield	STATE MO	ZIP CODE 65706
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 4/30/92
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

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MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Edward D. and S. Darlyne Killingsworth			MAR 01 1994
ADDRESS 410 NE Hubble			MISSOURI LAND RECLAMATION COMMISSION
CITY Marshfield	STATE MO	ZIP CODE 65706	
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):			DATE OF AGREEMENT 4/30/92
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT			

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Top of Knoll sloping south and west. Limestone out croppings present over majority of site. Scrub Cedars over majority of site with sparse vegetation between out crops. No topsoil.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

None INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozer clears limestone of spoils and Scrub Cedars to expose limestone.

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MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

None

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Dozer removes spoil (if present) and pushes to south and west to form Berm for first cut. Spoils dozed back into pit for subsequent cuts.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Pit will run in a south and east direction. See map 22.

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MISSOURI LAND
RECLAMATION COMMISSION**YES NO**

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Industrial.

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

None will be done. See map 21.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Outside high walls will be sloped and protection left in place. Pit will become large flat area for future industrial use.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

None

REPLACEMENT OF TOPSOIL

None

REVEGETATION

None

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MISSOURI LAND
RECLAMATION COMMISSION**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)****D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

80

Water impoundments (for wildlife, agricultural, or development)

By my signature, I attest to the following:

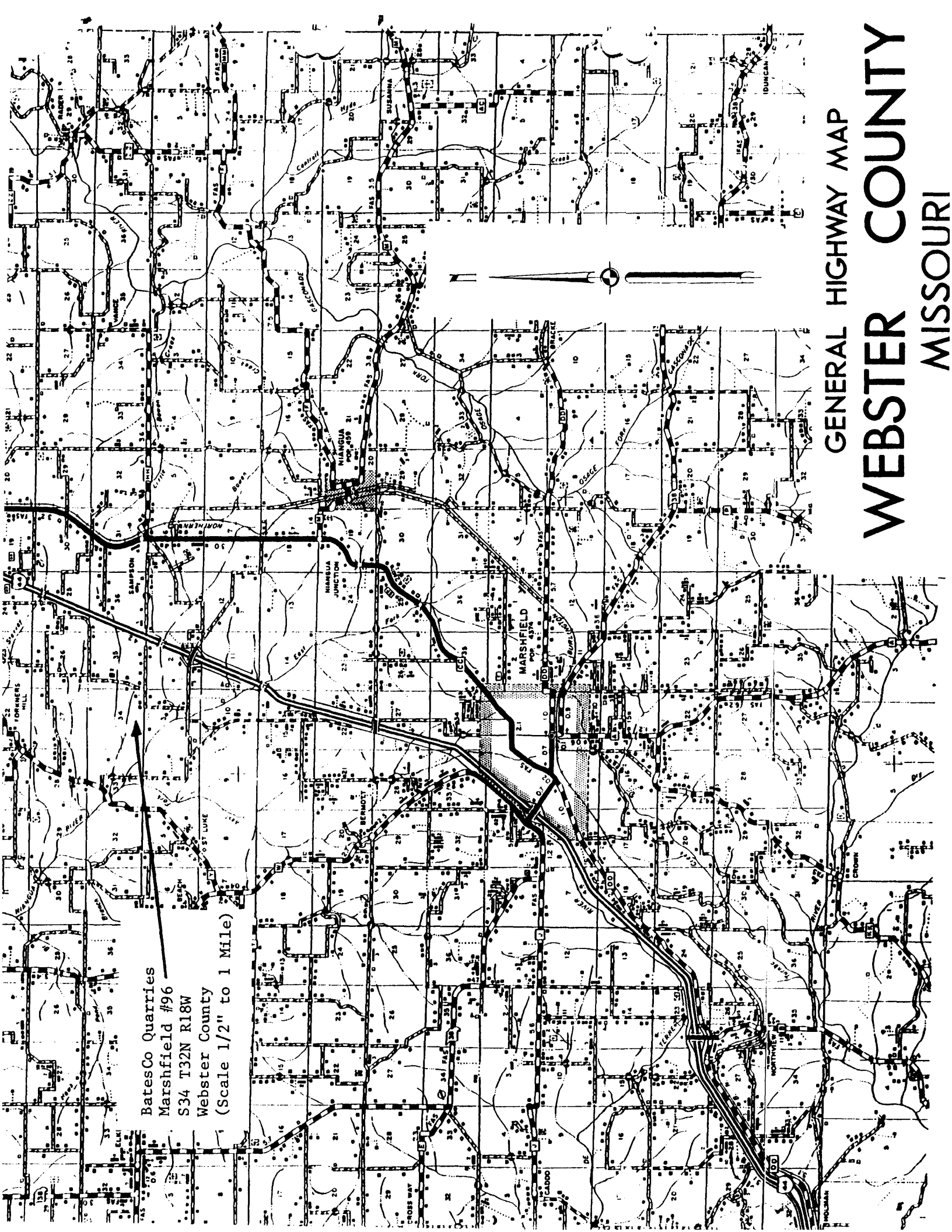
1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.783, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- ✓ 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- ✓ 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MAR 01 1994

MISSOURI LAND
RECLAMATION COMMISSION

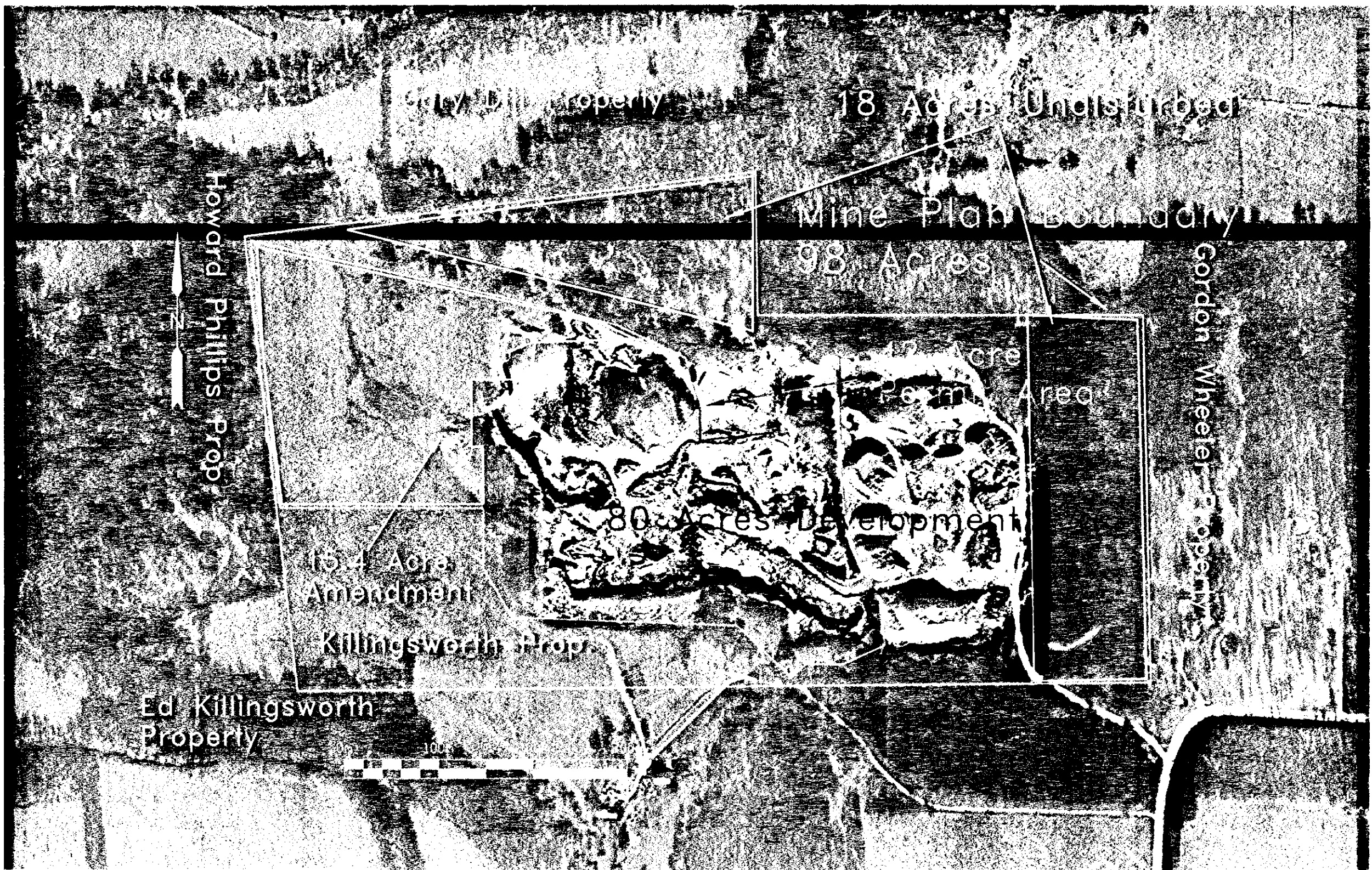
SIGNATURE OF APPLICANT <i>John H. Lee</i>		TITLE Manager	DATE 5-18-92
NOTARY PUBLIC EMBOSSEY SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 18th DAY OF May 19 92		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>Debbie A. Keiser</i>	MY COMMISSION EXPIRES Jan. 20, 1994	DEBBIE A. KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20, 1994
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED 3-18-94	PERMIT NUMBER #2



BatesCo Quarries
Marshfield #96
S34 T32N R18W
Webster County
(Scale 1/2" to 1 Mile)

GENERAL HIGHWAY MAP
WEBSTER COUNTY
MISSOURI





Ashgrove Aggregates, Inc.
 Permit #0002
 Marshfield Quarry
 Prepared by:
 Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
 RECLAMATION COMMISSION

y Smith 7/15/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Montevallo - 78		91-002		Batesco Quarries-Div. Union Quarries, Inc.	
County	1/4 section	Section	Township	Range	Acres
Vernon	NW 1/4 NE 1/4	5 6	34N	29W	378
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)	Address	City	
		Nevada	
		State	Zip
Kyle & Alta Gordon	520 S. Main	MO	64772
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			6/01/86

Mineral rights owner (attach list if more than one)	Address	City	
		Nevada	
		State	Zip
Kyle & Alta Gordon	520 S. Main	MO	64772
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			6/01/86

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

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MAR 01 1994

MINE PLAN FORM

Type of plan (check one):	<u> </u> Short term, for one permit year
	<u> X </u> Long term, for period through date: 1992 - 2025

Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography

Relatively flat pasture and crop land separated by hedge rows, creek ditches all of smaller areas of tracts of land. Topsoil is a very sandy loam laying over 8 to 10 feet of clay.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	9" - 12" inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
--	-----------------	---

Describe methods and equipment used for topsoil removal

Scrapers and dozers remove topsoil and overburden and deposit such to the north. Previously mined out area now used as the topsoil/overburden deposit area.

Describe methods and equipment used for topsoil storage and protection

Soil is leveled and seeded to control erosion/loss and wash back into pit area.

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MISSOURI LAND
RECLAMATION COMMISSION

RECEIVED

SEP 13 2004

A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND
RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

Wildlife

Spring - March 15 thru April 15

Fall - Sept. 10 thru Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass	20		
Timothy	5		
Red Clover	6		
Kobe Lespedeza	5		
Wheat	25		
Fertilizer 17/17/17	300		

REVEGETATION MIX #2

PUPOSE OR LAND USE

SEEDING OR PLANTING TIME

N/A

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITONAL SEED MIXES.

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B. GRADINGMISSOURI LAND
RECLAMATION COMMISSION**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Landowner wants entire pit to become a lake or water impoundment. The pit is surrounded with a berm of clay overburden, covered with topsoil and graded such that it is traversable with farm equipment.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will take place as overburden is removed, or as soon as practical. Grading will be completed within 12 months of the expiration or renewal of the permit, under which the surface disturbance occurred.

REPLACEMENT

Topsoil replacement will be completed within 12 months of the expiration or renewal of the permit, under which the surface disturbance occurred.

REVEGETATION

Revegetation efforts will commence at the first planting season immediately following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

(revised 9/04)

D. USE OF LAND WHEN RECLAIMED**ESTIMATED ACRES:**

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

20

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

Water impoundments (for wildlife, agriculture, or development)

80

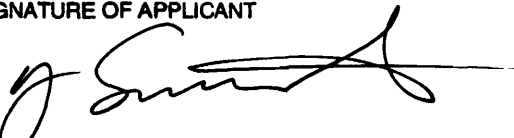
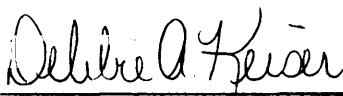
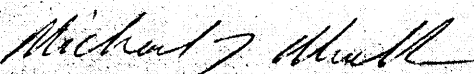
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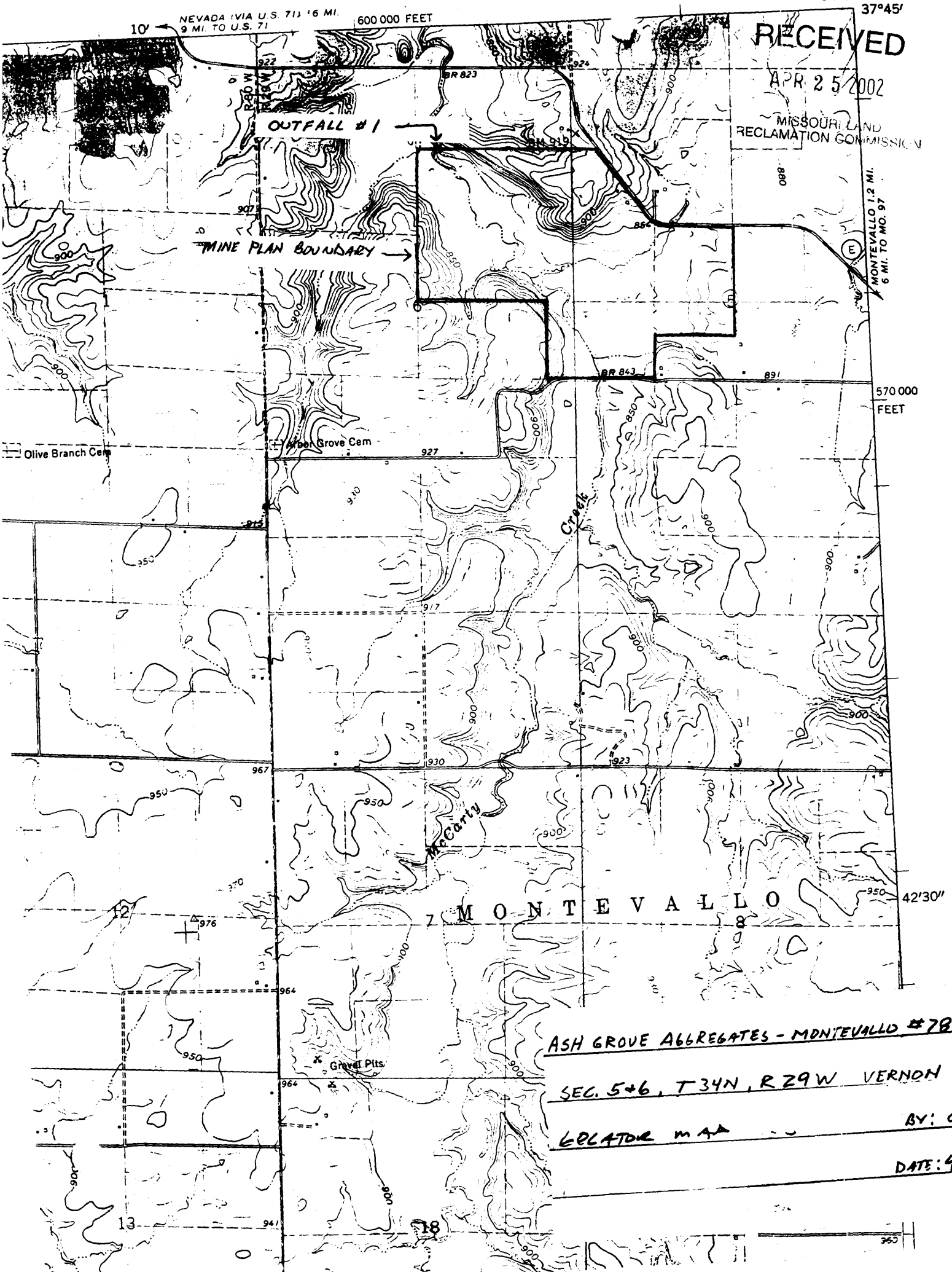
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MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE General Manager		DATE 9-8-04	
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates		
	SUBSCRIBED AND SWORN BEFORE ME, THIS 8th DAY OF September 20 04		USE RUBBER STAMP IN CLEAR AREA BELOW		
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06	DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006		
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser				
FOR DEPARTMENT USE ONLY: APPROVED BY 			DATE APPROVED 9/21/04		PERMIT NUMBER 0002





Ashgrove Aggregates, Inc.
Permit #0002
Montevallo Quarry
Prepared by:
Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
RECLAMATION COMMISSION

J. Smith 7/15/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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JUL 25 2004

MISSOURI LAND RECLAMATION COMMISSION MISSOURI LAND RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Osceola Quarry #79		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates, Inc.			
COUNTY St. Clair	1/4 SECTION SW 1/4	SECTION 36	
TOWNSHIP 38N	RANGE 25W	ACRES 50 50 RTS 11/2/04	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) James Brownlee		
ADDRESS P. O. Box 41		
CITY Lowry City	STATE MO	ZIP CODE 64763
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 3-01-85
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Same as landowner		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

MINE PLAN FORM

Type of plan (check one):	<input type="checkbox"/> Short term, for one permit year <input checked="" type="checkbox"/> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography Steep hills/bluffs with grub oaks, rock exposed and no land use by landowner. Clay with imbedded gravel as ground cover. No topsoil.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting: None inches	Is topsoil to be sold or discarded offsite? (Y or N):
Describe methods and equipment used for topsoil removal Dozer clears limestone of spoil and trees, exposing limestone.	
Describe methods and equipment used for topsoil storage and protection None.	

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Spoil**Describe methods and location of spoil placement and disposal**

Dozer removes spoil (if any) and pushes to pit in southeast corner of worked area.

C. Acid materials**Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)**

None.

D. Pit information (give all dimensions in feet)**Describe location and orientation of pit, if not clear on site maps**

Hill will eventually become pit. See map 10.

no Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

No Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

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A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND
RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

Wildlife

Spring - March 15 thru May 15

Fall - Sept. 10 thru Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done in the immediate seeding time following placement of topsoil/overburden. The seed mix will be broadcast and harrowed or mulched.

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass	20		
Timothy	5		
Red Clover	6		
Kobe Lespedeza	5		
Wheat	25		
Fertilizer 17/17/17	300		
REVEGETATION MIX #2	PUPOSE OR LAND USE	SEEDING OR PLANTING TIME	
N/A			

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

CH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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B. GRADINGMISSOURI LAND
RECLAMATION COMMISSION**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Outside highwalls will be sloped and protection left in place. Pit will become large flat area with stone floor for use in wood storage. Stockpile area and farm use for storage of hay, machinery and possible cattle feed areas.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will take place as overburden is removed, or as soon as practical. Grading will be completed within 12 months of the expiration of the permit, under which the surface disturbance occurred. *MJM RTS 11/2/04*

REPLACEMENT OF TOPSOIL

None

REVEGETATION

Seeding and fertilization shall occur at the first such opportunity after soil is leveled into place. Revegetation efforts will be completed during the first planting season following grading. *MJM RTS 11/2/04*

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

None

D. USE OF LAND WHEN RECLAIMED**ESTIMATED ACRES:**

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

15
RTS 11/2/04

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

35

Water impoundments (for wildlife, agriculture, or development)

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MISSOURI LAND
RECLAMATION COMMISSION

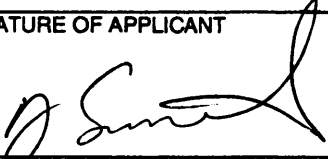
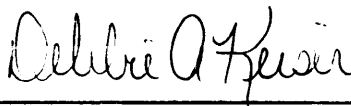
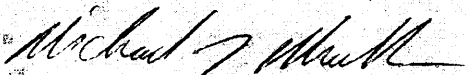
By my signature, I attest to the following:

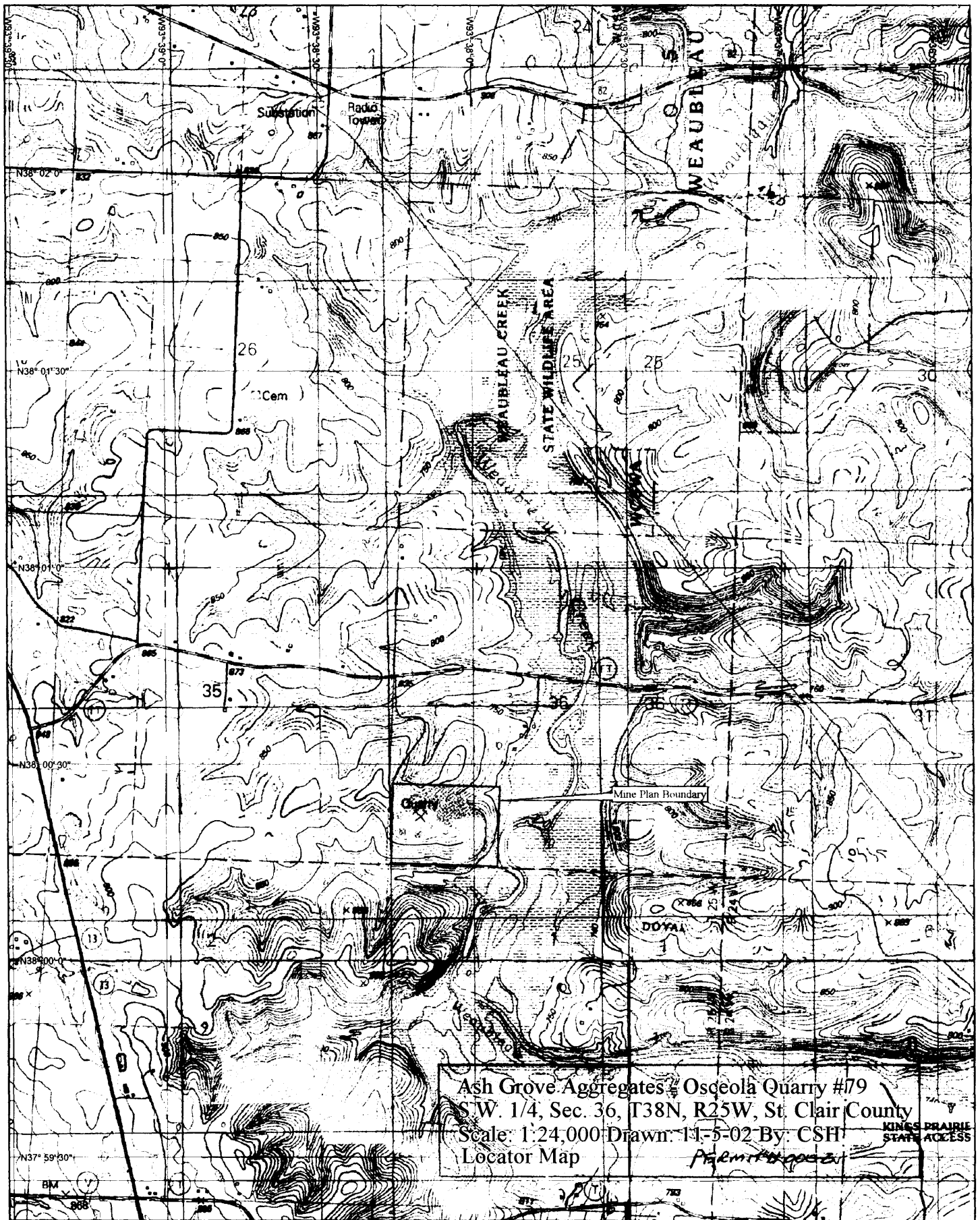
1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

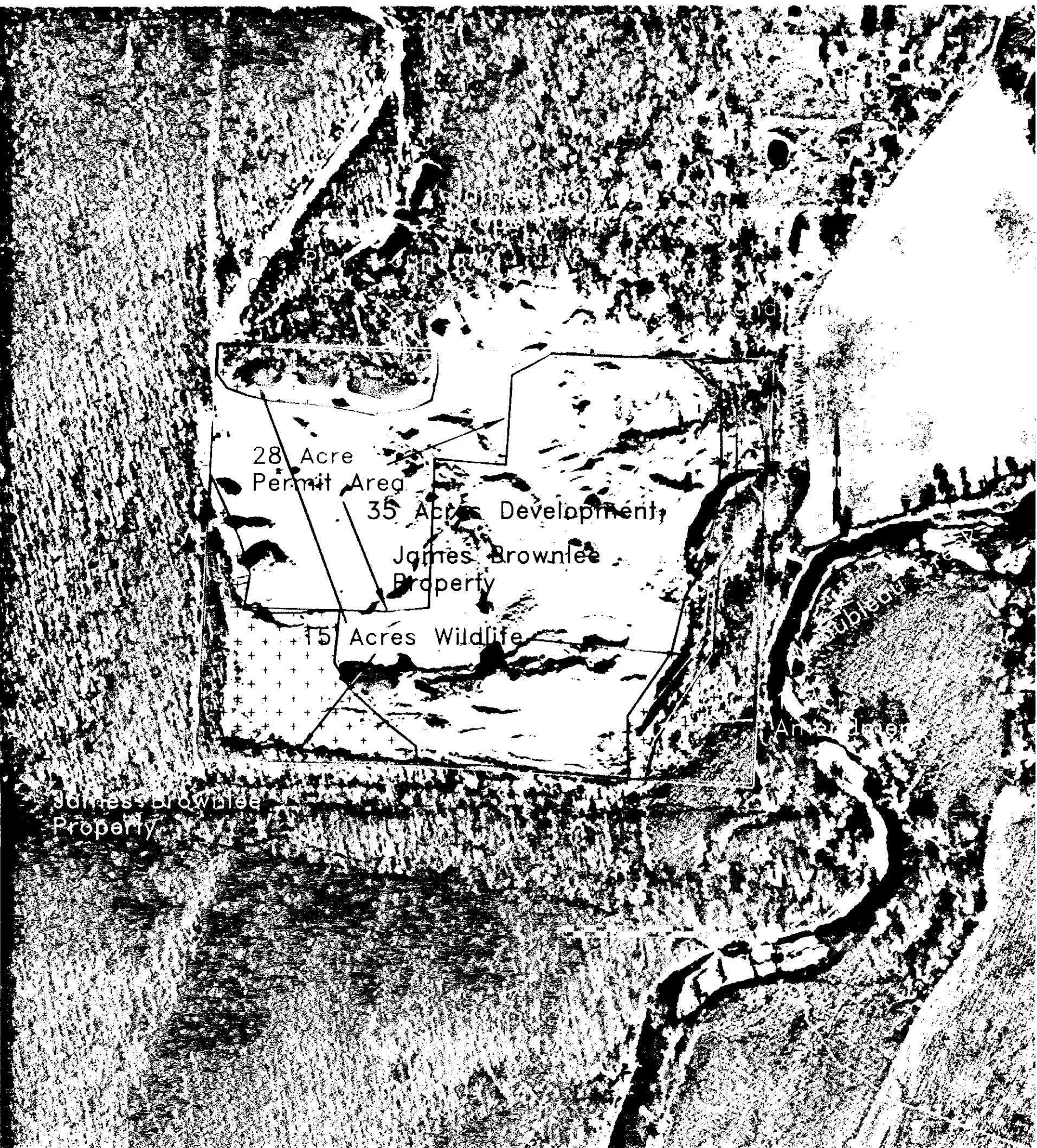
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MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE General Manager		DATE 7/19/04	
NOTARY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Bates		
	SUBSCRIBED AND SWORN BEFORE ME, THIS 19 DAY OF July 20 04		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006		
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-06			
	NOTARY PUBLIC NAME (TYPED OF PRINTED) Debbie A. Keiser				
FOR DEPARTMENT USE ONLY: APPROVED BY 			DATE APPROVED 9/21/04		PERMIT NUMBER 0002





Ashgrove Aggregates, Inc.
Permit #0002
Osceola Quarry
Prepared by:
Prepared 5-25-04

Jan Smith
11-2-04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Pittsburg - 94		91-002		Batesco Quarries-Div Union Quarries Inc.	
County	1/4 section	Section	Township	Range	Acres
Hickory	SE 1/4	36	36N	22W	78
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

Mineral rights owner (attach list if more than one)	Address	City	
		Overland Park	
Ash Grove Cement Company	8900 Indian Creek Parkway	State	Zip
		KS	66225
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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MISSOURI LAND
RECLAMATION COMMISSION

Page 1 of 1

MINE PLAN FORM

Type of plan (check one):	<u> X </u> Short term, for one permit year <u> </u> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography Hill, falling off to the north and west. Timber over northeast quarter of property, pasture on south half and west half of property.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	3 inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
Describe methods and equipment used for topsoil removal Topsoil will be stripped with a dozer, piled east and south of the pit, seeded and held to eliminate loss by erosion.		
Describe methods and equipment used for topsoil storage and protection Topsoil will be collected into layer piles and seeded to prevent loss until it is deposited back over the spoils. Straw dikes and mulching will be used to contain the sparce amount of topsoil available.		

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. Spoil

Describe methods and location of spoil placement and disposal

Spoil will be pushed back south and east away from the pit area with dozers. Spoil is sandy, chert filled material, ranging from nothing to ten foot in thickness. After pit has been expanded to it's limits, spoil will be pushed into pit and covered with topsoil as available.

. Acid materials

Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)

None

. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pit runs generally southwest and will expand to the east and south. Rather than driving individual pits, one large pit will be created as mining progresses.
See map 18.

no Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

no Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

no Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. Revegetation (attach additional sheets, if needed)

Revegetation mix #1	Purpose or land use Pasture	B. Seeding or planting time Spring - March 15 to April 15 Fall - Sept. 10 to Oct. 10	
Describe methods and equipment used for seeding or planting Spoil/topsoil area will be leveled and seeded as required. See map 8. Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue	15		
Clover	5		
Oats	30		
Fertilizer	30/30/30		

Revegetation mix #2	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Species	Pounds/Acre	Tree or shrub species	Stems/ Acre

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MISSOURI LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AND REVEGETATION

Describe proposed reclaimed topography, including slopes

Only the topsoil/overburden area will have any reclamation. Landowner wants entire pit (reserves area) to become a lake or water entrapment area. Topsoil/overburden area will become an "island" surrounded by water.

Describe the general sequence and timing of the following activities

Grading

Grading will continue concurrently with stripping.

Replacement of topsoil

Soil will be spread over "island" area concurrent with stripping operations.

Revegetation

As soil is deposited, vegetation will be started and continued.

Average depth of replaced topsoil (inches):

12" (Revised 2/24/94)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

20

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

80

By my signature, I attest to the following:

1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2) I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3) I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

Signature of applicant

Title

Date

X

Vice President

Jan. 15, 1992

Appeared before me this 15th Day of January, 1992,

John M. Lutz to me personally known,
who executed the above as their free acts and deeds.

Notary Public:

My Commission Expires on: Jan. 20, 1994
State of Missouri
County of Missouri

Debbie A. Keiser

Approved by (Director's representative)

Date approved

X

312-941

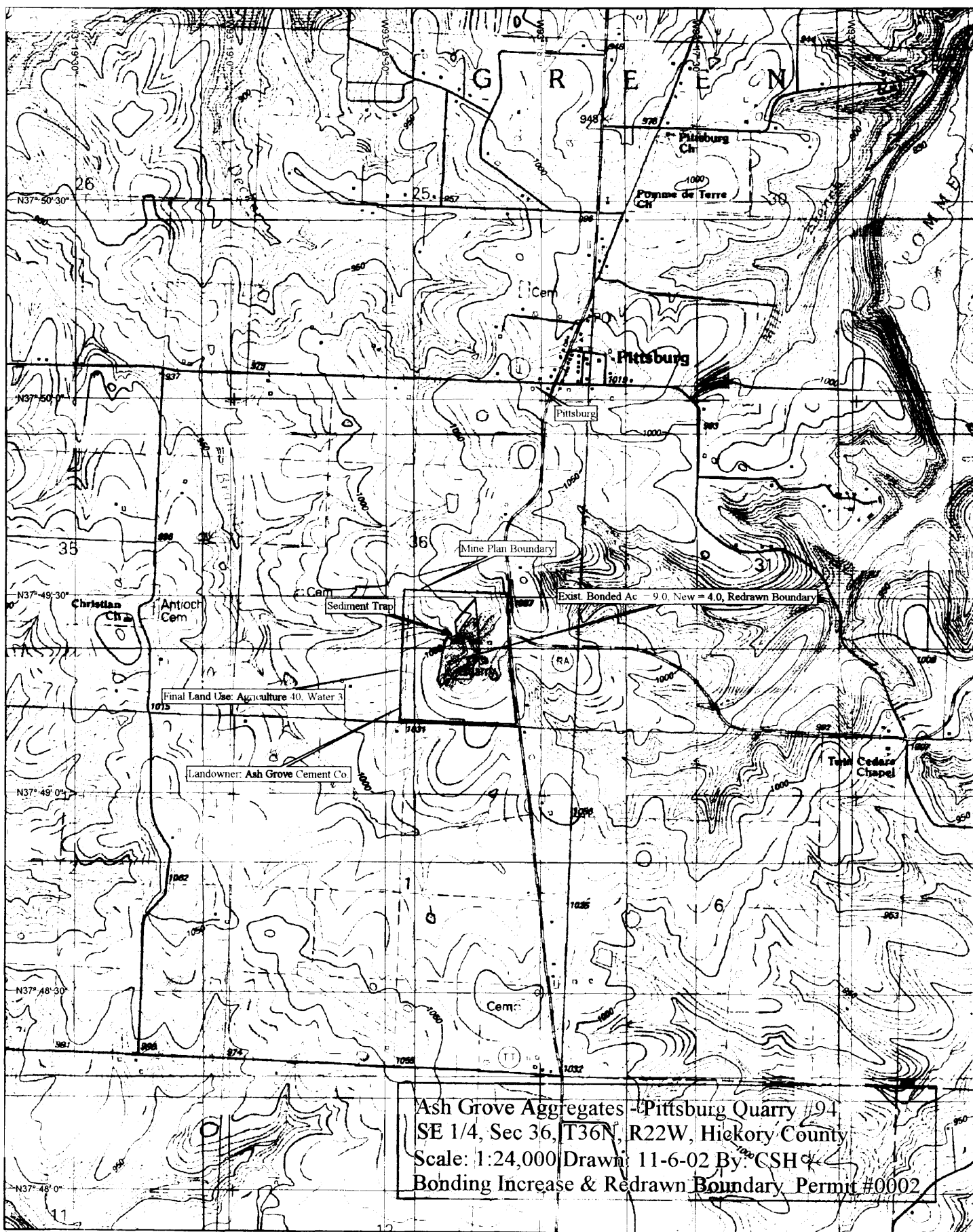
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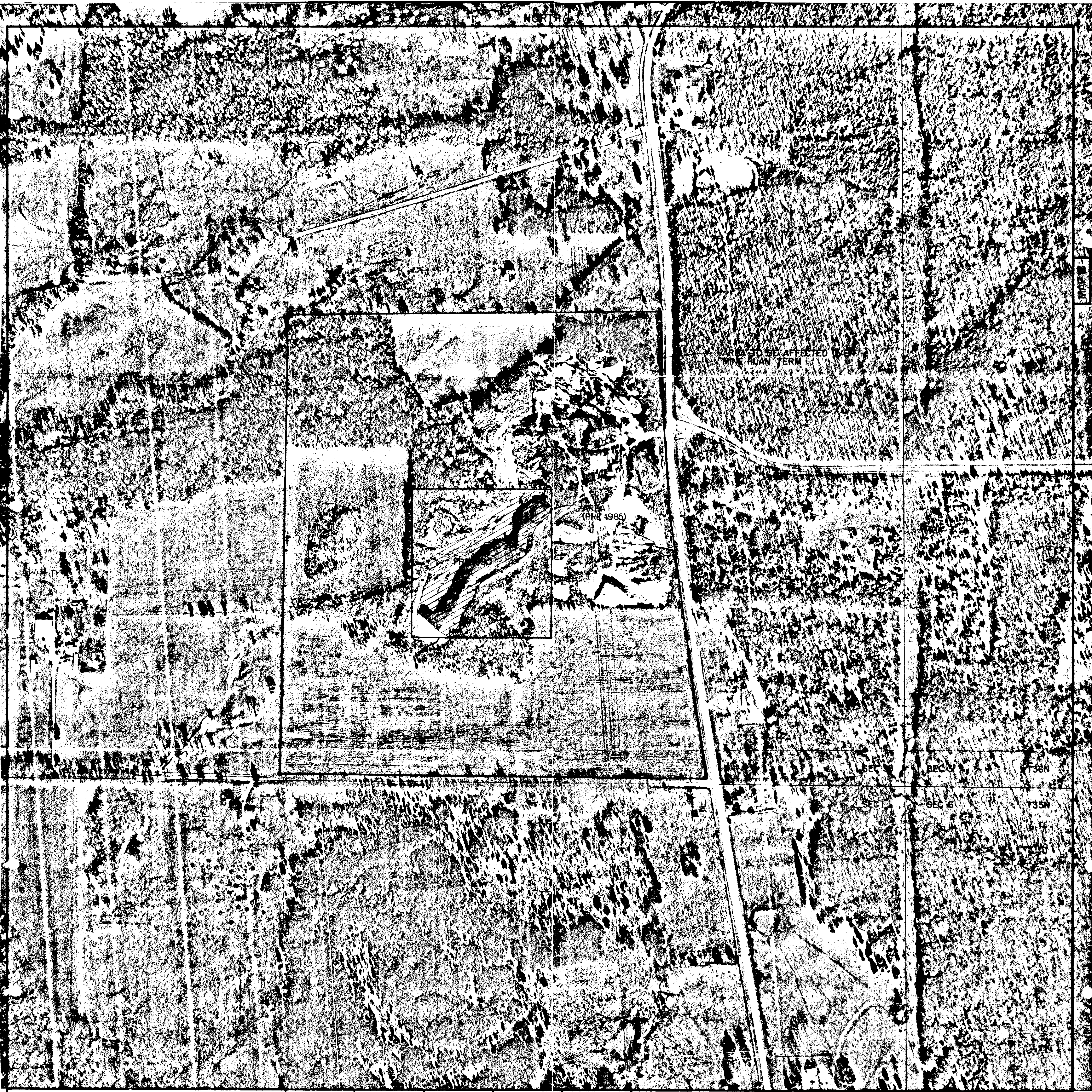
MAR 01 1994

MISSOURI LAND
RECLAMATION COMMISSION

Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if applicable.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devices.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.





BATESCO QUARRIES - PITTSBURG 94

COUNTY
HICKORY

SECTION(S)
36

TOWNSHIP
T36N

RANGE
R22W

SCALE
1" = 200'

PREPARED BY
G. GREGG - ASST. MGR.

TOTAL ACRES AFFECTED OVER MINE PLAN
78

ORIGINAL DATE: 12/31/91
REVISION DATE:

BY: J.C.
BY:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Rich Hill - 74		91-002		Batesco Quarries-Div.Union Quarries, Inc.	
County	1/4 section	Section	Township	Range	Acres
Bates	SE 1/4	28	39N	32W	80
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)	Address	City	
		Rich Hill	
Dorothy Craigmiles	Route 1 Box 126	State	Zip
		MO	64779
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			2/01/89

Mineral rights owner (attach list if more than one)	Address	City	
		Rich Hill	
Dorothy Craigmiles	Route 1 Box 126	State	Zip
		MO	64779
Source of right to mine (check one):			Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):			2/01/89

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

RECEIVED

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MISSOURI LAND
RECLAMATION COMMISSION

MINE PLAN FORM

Type of plan (check one):	<input type="checkbox"/> Short term, for one permit year <input checked="" type="checkbox"/> Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	
Very poor soil used as pasture - relatively flat, sloping to the creek on West side of area. Almost no topsoil - clay base, tan hardpan type land which has almost no cover and supports very sparse vegetation.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	0 to 1/2" inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
Describe methods and equipment used for topsoil removal		
Dozers strip topsoil prior to removal of overburden and stockpile adjacent to areas reclamation will be completed on. Topsoil typically parallels box cut of pit.		
Describe methods and equipment used for topsoil storage and protection		
If available: round mounds and grade for minimal wash loss - some seeding or fescue and wheat to stabilize higher banks - straw bale dams in areas of possible siltation or erosion of stored topsoil.		

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MISSOURI LAND
RECLAMATION COMMISSION

B. Spoil

Describe methods and location of spoil placement and disposal

If available: spoil dozed into previous box cut, so as to reclaim previous pit with spoil from new cut. Along outside cuts, spoil dozed over previous spoil until stone is removed and spoil pushed back into cut - also used for safety berms on outside cuts.

C. Acid materials

Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)

None.

D. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pits in various locations - See map 6.

No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

No Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. Revegetation (attach additional sheets, if needed)

Revegetation mix #1	Purpose or land use Pasture	B. Seeding or planting time Spring - March 15 to April 15 Fall - Sept. 10 to Oct. 10	
Describe methods and equipment used for seeding or planting Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation. See map 5. Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue	15		
Clover	5		
Oats	30		
Fertilizer	30/30/30		

Revegetation mix #2	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Species	Pounds/Acre	Tree or shrub species	Stems/ Acre

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MISSOURI LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AND REVEGETATION

Describe proposed reclaimed topography, including slopes

Slope to West creek, flatten overburden and seed any soil available for cover.

Describe the general sequence and timing of the following activities

Grading

As pit advances and spoil pushed into previously mined out areas.

Replacement of topsoil

Within a year after final grading or spoil material or as soon as viable possible after grading spoil materials.

Revegetation

Immediately after topsoil replacement is completed and first seeding period arrives.

Average depth of replaced topsoil (inches):

12" (Combination of Topsoil & Overburden)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	63
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	3

Balance of land that is undisturbed or was disturbed by Landowner prior
permittee's permitting of property. Permittee has no liability for

14

Land Reclamation on these acres per prior agreement with Tom Cabanas, DNR representative

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

Signature of applicant

Title

Date

X *John M. Lutz*

Vice President

Jan. 15, 1992

Appeared before me this 15th Day of January, 1992,

John M. Lutz to me personally known,
who executed the above as their free acts and deeds.

Notary Public:

My Commission Expires on: Jan. 20, 1994
State of Missouri
County of Missouri

Debbie A. Keiser

Approved by (Director's representative)

Date approved

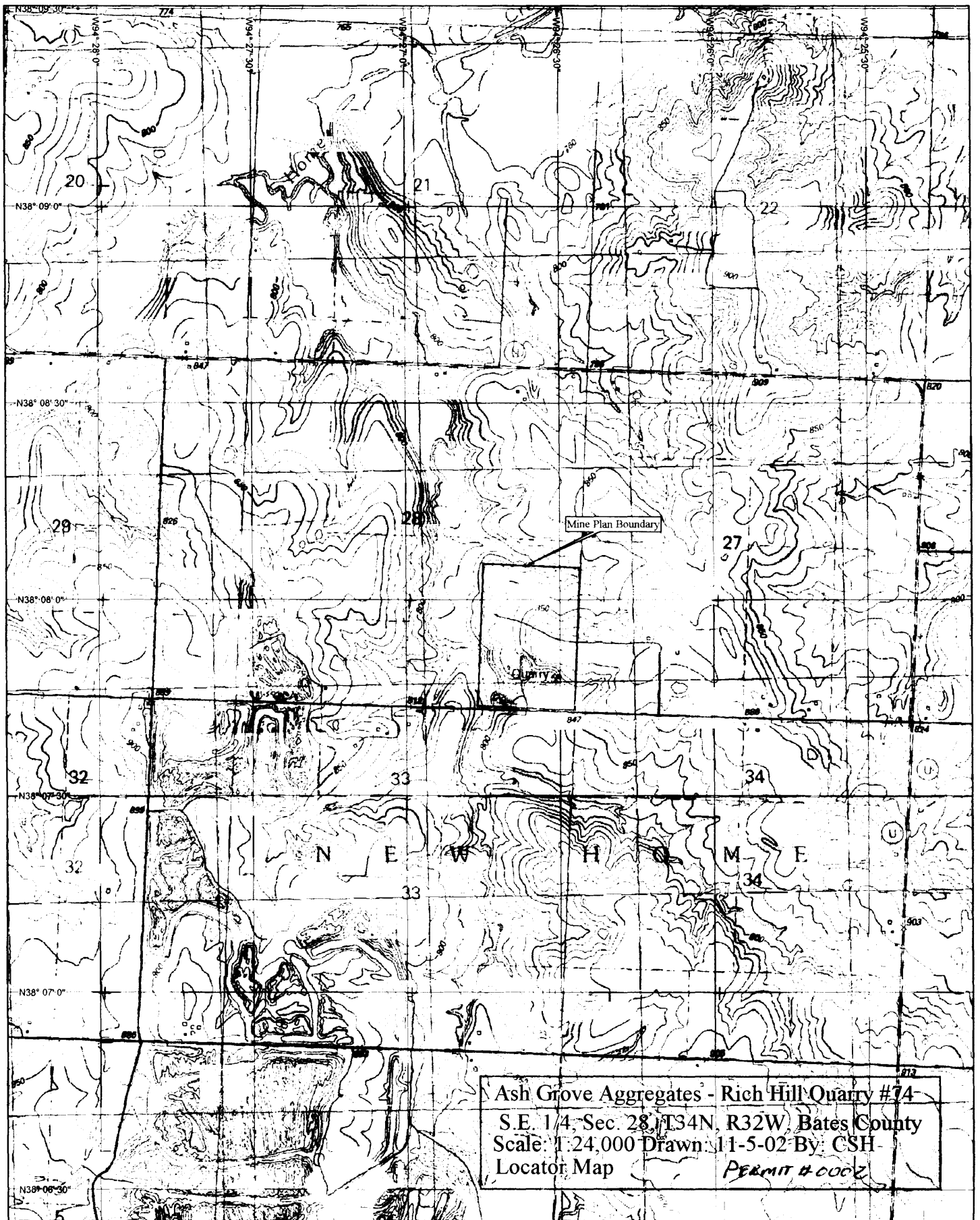
X *Ray F. Lutz*

3-12-94

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Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if applicable.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devices.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.



Mine Plan Boundary

80 Acres

Fred Craigmiles

Property

63 Acres

Agric.

37 Acres

Potential for

14-Acre Area

For owner's

Excavation Prior

to Lease



Ashgrove Aggregates, Inc.

Permit #0002

Rich Hill Quarry

Prepared by:

Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
RECLAMATION COMMISSION

g. Smith 7/15/14



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
MAY 11 1998

To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER Stockton #77		PERMIT NUMBER 0002	
COMPANY NAME Ash Grove Aggregates			
COUNTY Cedar	1/4 SECTION NW 1/4	SECTION 6	
TOWNSHIP 34	RANGE 26	ACRES 88	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Gene Daniel Jensen		
ADDRESS Rt. 2 Box 186		
CITY Stockton	STATE MO	ZIP CODE 65785
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT DATE OF AGREEMENT April 1, 1998

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) see above (Landowner)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
JUL 10 1998

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 1998-2050

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Rolling hillsides with native grasses and fescue.
The overburden is clay with a large percentage of chert mixed in.
There is no topsoil present at the site. The SW corner of the property has some brush/trees growing. There is an existing pit located on the southwestern edge of the property, encompassing approx. 2.5 acres.
This area was worked prior to 1970.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3.5 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

All of the A Horizon and a portion of the B Horizon to a depth of 12 inches where it is present will be removed with dozers and replaced on graded areas or stockpiled in a stable location if not immediately replaced on graded areas. In areas where the A & B Horizon is not present, as much as practical will be removed and replaced on graded areas or stockpiled in a stable location.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil material will be stockpiled in a stable location within the permit area and protected from erosion by establishment of temporary or vegetative cover.

B. SPOIL**DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL**

- Pit # 1 Spoil will be removed with either dozers and/or scrapers. The spoil will be used to construct a berm around the final perimeter of the pit. The berm will be sloped @20° and seeded. All remaining spoil will be placed in the west side of the pit, graded and seeded.
- Pit # 2 Spoil will be removed & disposed of in the same method as Pit # 1.

C. ACID MATERIALS**DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)**

NONE

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS**

- Pit # 1 Will run north/south encompassing northern 2/3 of property.
Final pit dimensions will be approximately 1600' x 1200'.
- Pit # 2 Will be run east/west on sothern 1/3 of property.
Final pit dimensions will be approximately 1200' x 400'

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MISSOURI LAND
RECLAMATION COMMISSION

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.) |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

WILDLIFE - For berm & spoil pile

B. SEEDING OR PLANTING TIME

Spring - March 15 - April 15

Fall - Sept. 10 - Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The berm and any other spoil piles will be seeded and fertilized.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		
Red Top	3		
Red Clover	3		
Oats or Wheat - Depends on season			
Fertilizer	30/30/30		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B.. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Berm will be graded at 20 degree slopes. Pit floor will be flat with some boulder piles on it.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed within 12 months after the expiration or renewal of the permit under which the surface disturbance took place.

REVEGETATION

Berm and spoil pile will be seeded/fertilized at first planting season immediately following grading.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" A & B Horizon (where present)

D. USE OF LAND WHEN RECLAIMED

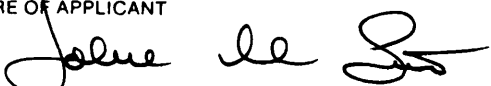
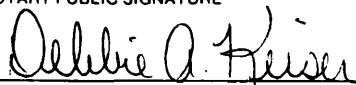

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	17.5
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	55.0

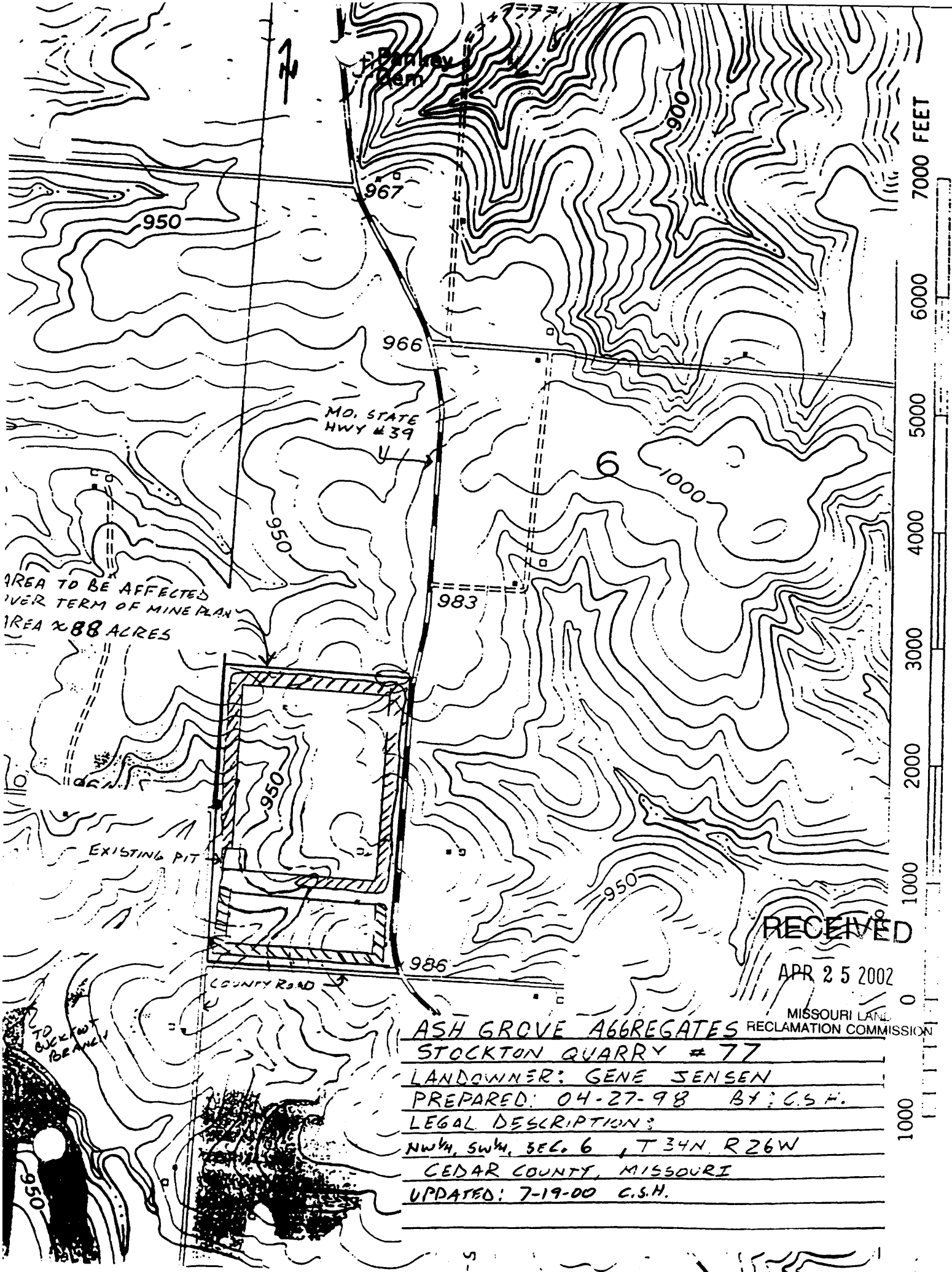
NOTE: Remaining 5.5 acres 5 under high voltage power lines and 50' area around perimeter of property.

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND
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SIGNATURE OF APPLICANT 		TITLE President	DATE 5-6-98
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Bates	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 6th DAY OF May 19 98		USE RUBBER STAMP IN CLEAR AREA BELOW DEBBIE A. KEISER Notary Public - State of Missouri County of Bates My Commission Expires Jan. 20, 2002
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 1-20-02	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Debbie A. Keiser		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 7/16/98	PERMIT NUMBER 0002



AREA TO BE AFFECTED
OVER TERM OF MINE PLAN
AREA ~ 88 ACRES

EXISTING PIT

COUNTY ROAD

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APR 25 2002

MISSOURI LAND RECLAMATION COMMISSION

ASH GROVE AGGREGATES
STOCKTON QUARRY # 77

LANDOWNER: GENE JENSEN

PREPARED: 04-27-98 BY: C.S.H.

LEGAL DESCRIPTION:

NW 1/4, SW 1/4, SEC. 6, T 34 N. R 26 W

CEDAR COUNTY, MISSOURI

UPDATED: 7-19-00 C.S.H.



Ashgrove Aggregates, Inc.
 Permit #0002
 Stockton Quarry
 Prepared by:
 Prepared 5-25-04

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JUL 23 2004

MISSOURI LAND
 RECLAMATION COMMISSION

J. S. D. 7/15/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. Box 176
Jefferson City, MO 65102

SITE INFORMATION FORM

(to be completed for each separate area of disturbance associated with mining operations)

Site name or number		Permit number		Company name	
Wheatland - 92		91-002		Batesco Quarries-Div. Union Quarries Inc.	
County	1/4 section	Section	Township	Range	Acres
	SE 1/4	19			
	SW 1/4	20			
Hickory	NW 1/4	29	37N	22W	256
River or stream name (for in-stream acres)		Mineral commodity		Estimated tons/ year (for gravel sites)	
		Limestone			

Name of landowner (attach list if more than one)		Address		City	
Alice D. Hutton				Wheatland	
Ralph L. Hutton				State	Zip
Doris J. Hutton		P. O. Box 22		MO	65779
Source of right to mine (check one):					Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):					11/01/90

Mineral rights owner (attach list if more than one)		Address		City	
Alice D. Hutton				Wheatland	
Ralph L. Hutton				State	Zip
Doris J. Hutton		P. O. Box 22		MO	65779
Source of right to mine (check one):					Date of agreement
<input type="checkbox"/> Mineral deed <input checked="" type="checkbox"/> Lease <input type="checkbox"/> Warranty deed <input type="checkbox"/> Verbal agreement <input type="checkbox"/> Other (describe):					11/01/90

EACH SITE MUST BE SHOWN ON A MAP AND
BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

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B. Spoil

Describe methods and location of spoil placement and disposal

Spoil is removed by dozers and pushed into previously mined out pits.

C. Acid materials

Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)

None.

D. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pits run both North/South and East/West in an "L" shape. Pits are obvious from maps.
See map 14.

No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

Yes Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

LINE PLAN FORM

Type of plan (check one):	<u> </u> Short term, for one permit year <u> X </u> Long term, for period through date: 1992-2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	
Very hilly, timber covered, brushy acreage. Limestone outcrops along edges of hills - soil is a very cherty clay, yellowish red with no topsoil as such.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation Commission Permitting:	None inches	Is topsoil to be sold or discarded offsite? (Y or <u>N</u>):
Describe methods and equipment used for topsoil removal		
Dozers remove the cherty clay overburden and push material toward and into previously mined out pit. No topsoil removal is used at this site.		
Describe methods and equipment used for topsoil storage and protection		
None - See above.		

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RECLAMATION COMMISSION

B. Spoil

Describe methods and location of spoil placement and disposal

Spoil is removed by dozers and pushed into previously mined out pits. .

C. Acid materials

Describe methods and equipment used for handling acid materials
(if none is anticipated, write "none" below)

None.

D. Pit information (give all dimensions in feet)

Describe location and orientation of pit, if not clear on site maps

Pits run both North/South and East/West in an "L" shape. Pits are obvious from maps.
See map 14.

No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

No Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

Yes Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. Revegetation (attach additional sheets, if needed)

Revegetation mix #1	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting			
Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre

Revegetation mix #2	Purpose or land use	B. Seeding or planting time	
Describe methods and equipment used for seeding or planting			
Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.			
Species	Pounds/Acre	Tree or shrub species	Stems/ Acre

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MISSOURI LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AND REVEGETATION

Describe proposed reclaimed topography, including slopes

Spoil will be used to reclaim affected areas - land will become flatter, no likelihood of grass stands becoming usable. Storage areas for future stockpiles, ready mix plant and staging area. Western edge to be relatively steep due to deep creek area, however, pit area will become flat and usable by motor vehicles.

Describe the general sequence and timing of the following activities

Grading

Continually, as mining progresses.

Replacement of topsoil

No topsoil on location.

Revegetation

Attempt to establish some form of grass - unsure what may survive over long period of time.

Average depth of replaced topsoil (inches):

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	80
Water impoundments (for wildlife, agricultural, or development)	

By my signature, I attest to the following:

1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.

2) I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.

3) I have obtained the approval of all landowner's for all proposed post-reclamation land uses.

4) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

Signature of applicant

Title

Date

X

John M. Lutz

Vice President

Jan. 15, 1992

Appeared before me this 15th Day of January, 1992,

John M. Lutz to me personally known,
who executed the above as their free acts and deeds.

Notary Public:

My Commission Expires on: Jan. 20, 1994
State of Missouri
County of Missouri

Debbie A. Keiser

Approved by (Director's representative)

Date approved

X

Harry [Signature]

3-18-94

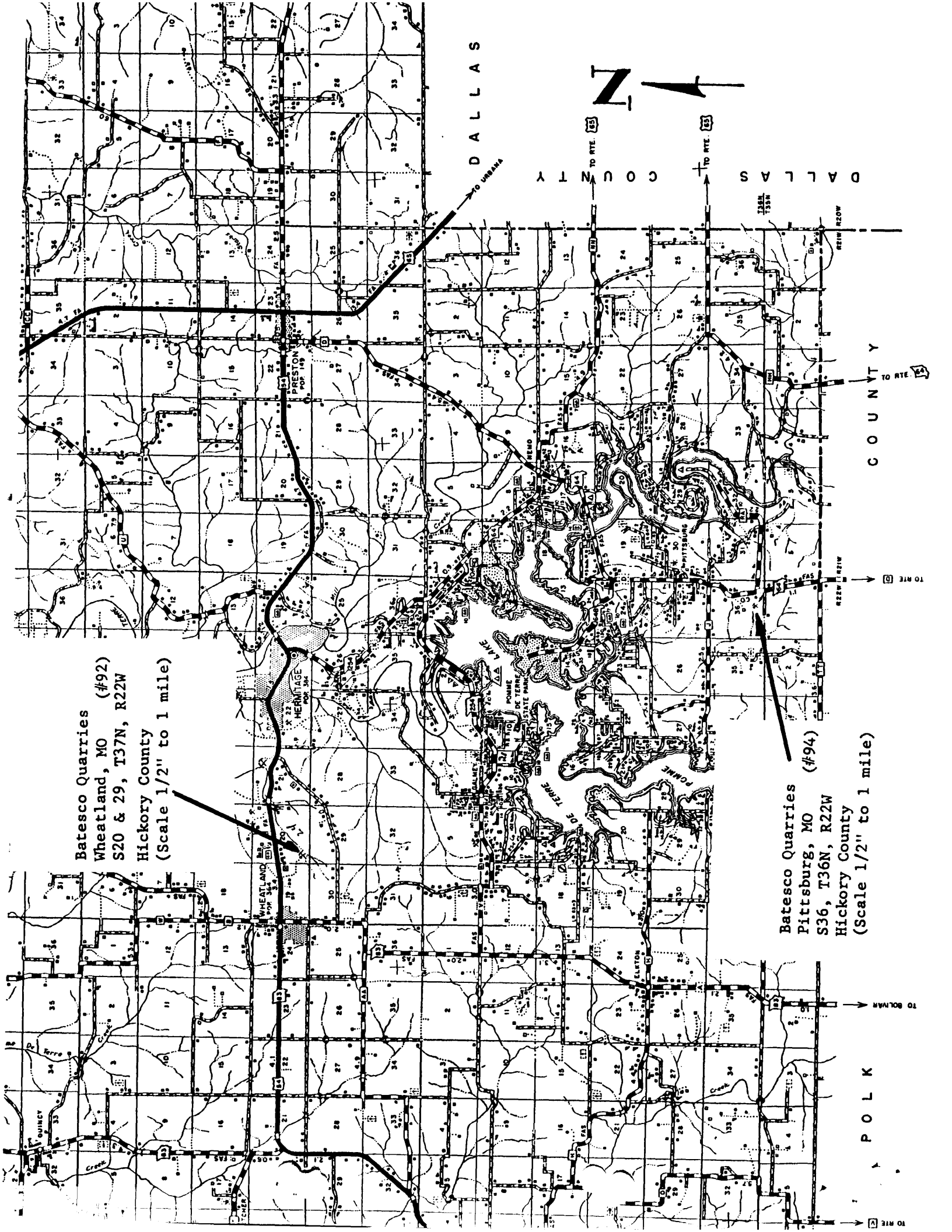
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MISSOURI LAND
RECLAMATION COMMISSION

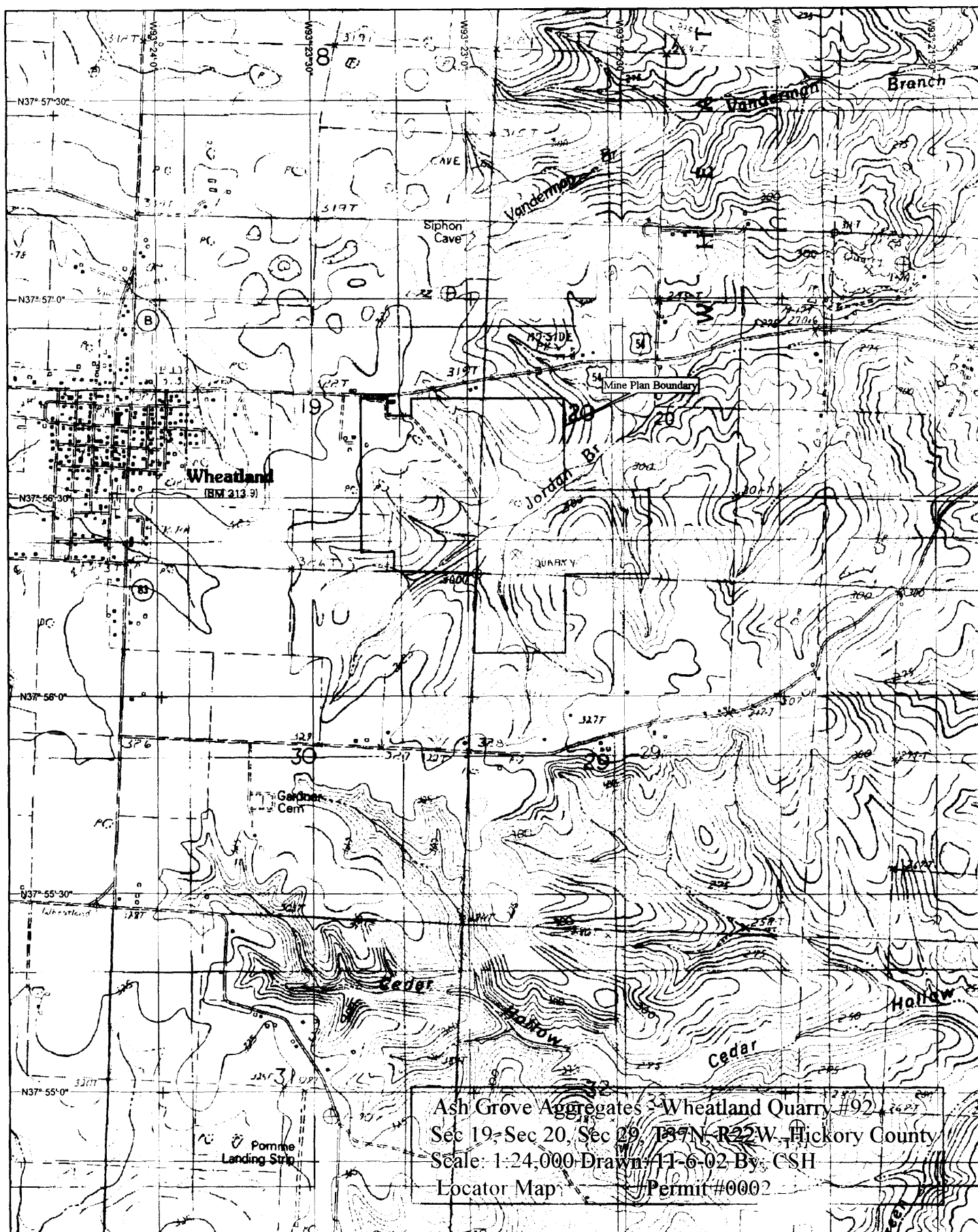
Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if applicable.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devices.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.



Batesco Quarries (#92)
Wheatland, MO
S20 & 29, T37N, R22W
Hickory County
(Scale 1/2" to 1 mile)

Batesco Quarries (#94)
Pittsburg, MO
S36, T36N, R22W
Hickory County
(Scale 1/2" to 1 mile)





Ashgrove Aggregates, Inc.
Permit #0002
Wheatland Quarry
Prepared by:
Prepared 5-25-04

RECEIVED

JUL 23 2004

MISSOURI LAND
RECLAMATION COMMISSION

J. Smith 7/15/04